APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Measurement of Residual Stresses as a Means of Assessing the Damage Suffered by Materials Under Fatigue Loads, by G. Altmeyer, A. Peiter.

GERMAN, per, N Material-Prufung, Vol II, No 6, [illegible]1960, pp 198-207.

HB 5838

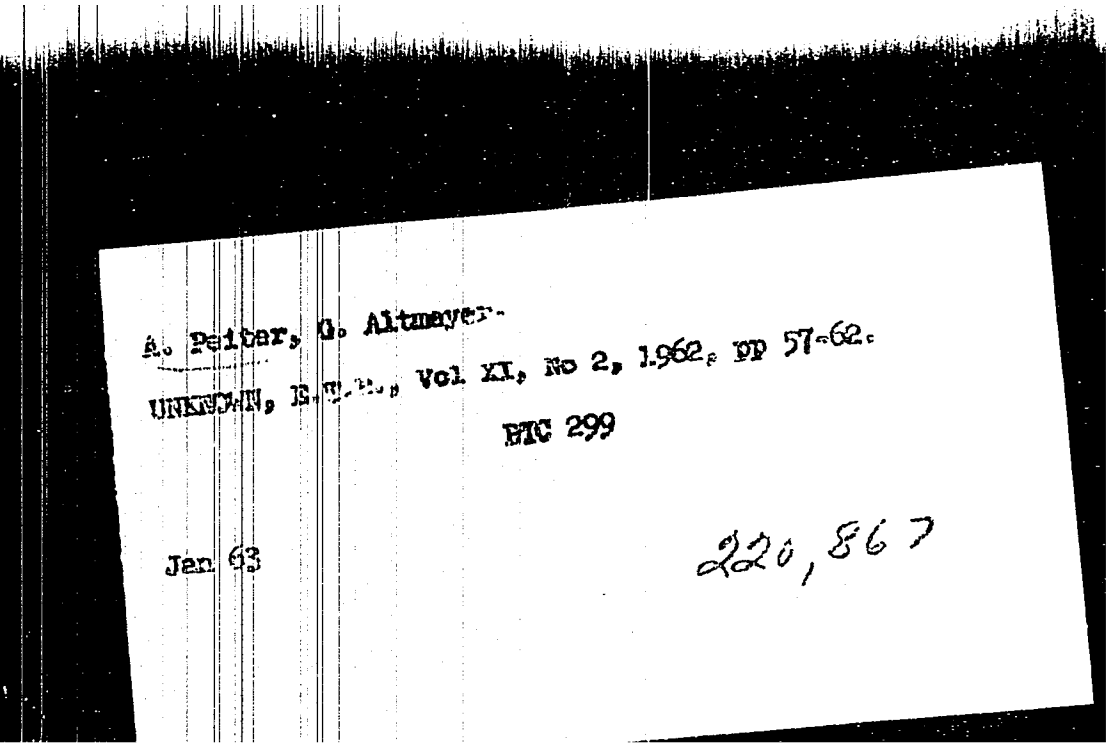
Sci-Engr

243,456

Nov 63

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



A. Peiter, O. Altmayer.

UNKNOWN, [illegible], Vol XI, No 2, 1962, pp 57-62.

BMC 299

Jan 63

220,867

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Examination of the Technological Properties and Residual Stresses in Drawn Free-Cutting Steel Bars, by Z. Schepers, A. Peiter.

GERMAN, per, Stahl und Eisen, Vol LXXIX, No 6, 1959, pp 337-349.

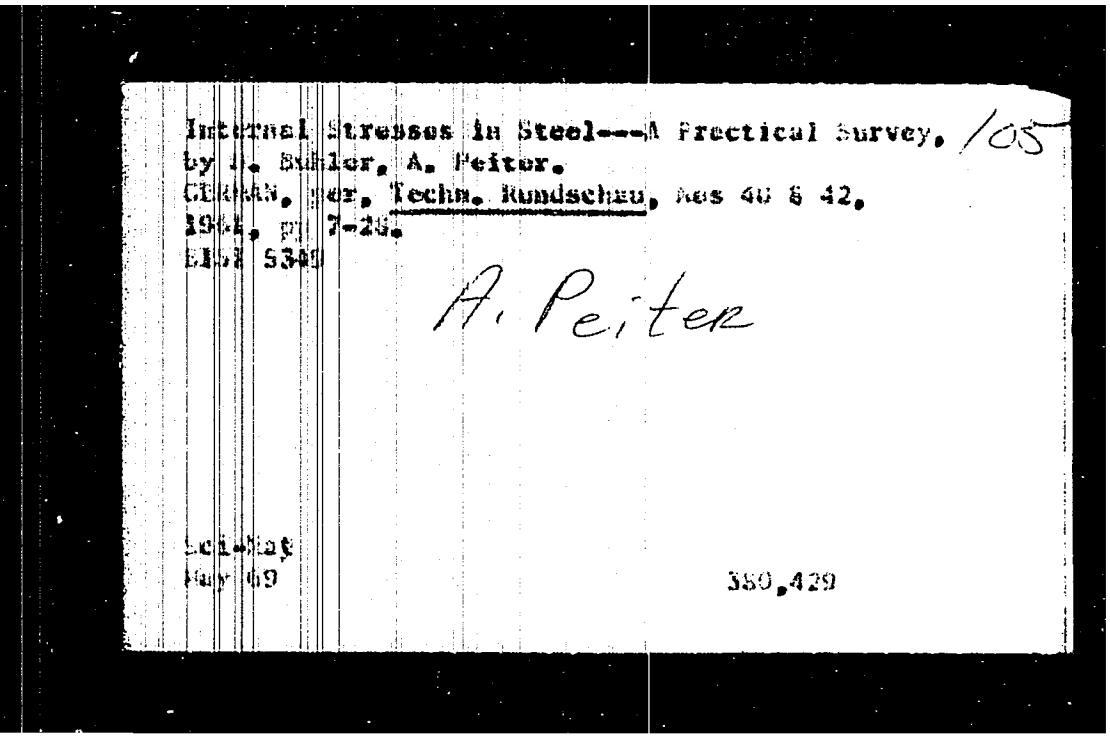
SLA 60-16658

Sci - Engr

137,413

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Internal Stresses in Steel---A Practical Survey. 105
by [illegible] Buhler, A. Peiter.
GERMAN, Ber. Techn. Rundschau, Nos 40 & 42,
1944, pp 7-25.
[illegible] 5381

A. Peiter

Sci-Mat
May 49

380,429

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Method For the Enrichment and Separation of the Elements Columbium and Tantalum, by Harold Schaefer, Christel Peitruck, 8 pp.

GERMAN, patent 893,197, class 12m, group 9 H 9370 IV b/12m, appl for 5 Feb 53, granted 2 Sep 53, by W. C. Heraeus G.m.b.H., Hanau/M/

SLA 59-10753

Sci
Dec 59
Vol 2, No 4

102, 716

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Basic Improvements in the Railway System, by Arvi Peltoara, 6 pp.

FINNISH, per, Teknillinen Aikakauslehti, No 5, 1962, pp 130-135, Encl to R-62-62.

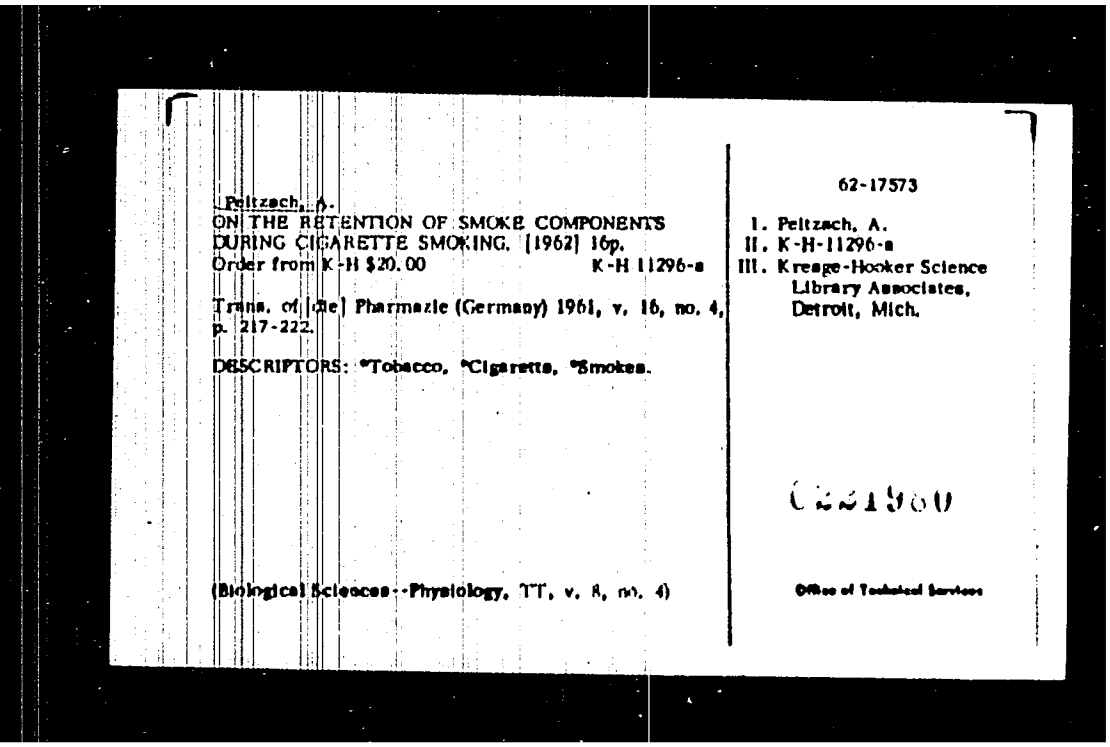
ACSI I-3072-A
ID 2197027
also: ACSI I-2620-B
ID 2235101

Wkr - Finland
Econ
Sep 63

344050

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Peltzach, A.
ON THE RETENTION OF SMOKE COMPONENTS DURING CIGARETTE SMOKING. [1962] 16p.
Order from K-H $20.00 K-H 11296-a

Trans. of [die] Pharmazie (Germany) 1961, v. 16, no. 4, p. 217-222.

DESCRIPTORS: *Tobacco, *Cigarette, *Smoker.

(Biological Sciences--Physiology, TT, v. 8, no. 4)

62-17573

I. Peltzach, A.
II. K-H-11296-a
III. Kresge-Hooker Science Library Associates, Detroit, Mich.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

MARECHAL, A.
PETUCHARD, G.

A Study of the Section of the Solid of Diffraction in the Presence of Slight Aberrations of the Third Order.

FRENCH, C.R. Acad Sci, Paris, 229, 1941, pp 999-1001.

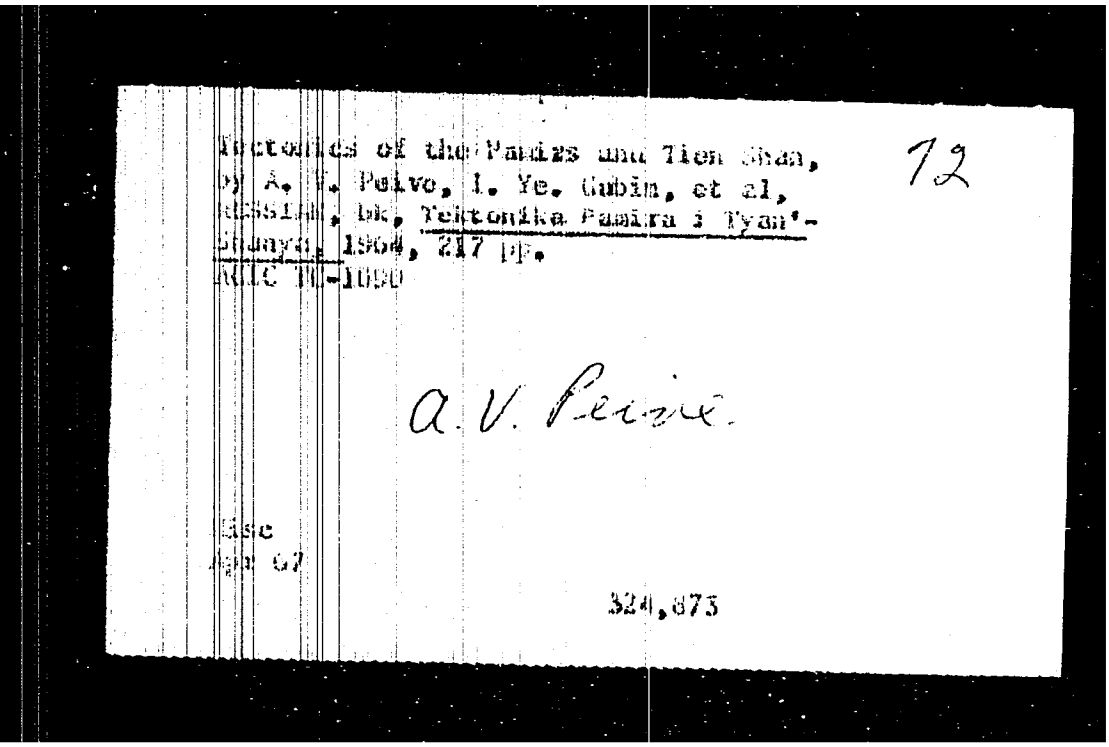
AEC 1092

TPA3/TIB
T 3840-6
P 22092 (f)T

A 7594

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Tectonics of the Pamirs and Tien Shan,
by A. V. Peive, I. Ye. Gubin, et al,
Moscow, Nauka, Tektonika Pamira i Tyan'-
Shanya, 1964, 217 pp.
AMIC TR-1050

72

a. V. Peive.

Case
Apr 67

324,873

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Use of Trace Elements in Soviet Agriculture, by Ya. Peive, 19 pp. USCL

RUSSIAN, per, Mezhdunarodnyi Sel'skokhoz Zhur, No 3, 1959, pp 62-72.

LLU Tr Bul
Feb 1960

USSR
Econ
Mar 60

119,482

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Role of Trace Elements in Nutrition of Plants and Animals, by Ya. V. Peive. USCL

RUSSIAN, per, Biokhimiya, Vol XX, 1955, pp 265-271.

CCT-411B

Sci - Biol
Sep 59

96,649

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Notes on Spiritual Healing Among the BA-TSWA People of Mozambique, by Julio dos Santos Peixe, 21pp.

PORTUGUESE, per, Boletim de la Sociedade de Estudios de Mozambique, Vol XXXI, No 130, Jan-Mar 1962, pp 5-24.

JPRS 16346

AFrica
Soc
Nov 62

217,830

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Uranium Properties Produced by Extrusion Sintering, by G. Cizeron, J. Peix, 7 pp.

CERMAN, per, Planseeberichte fur Pulvermetallurgie, No 10, 1962, pp 137-143. 9216861

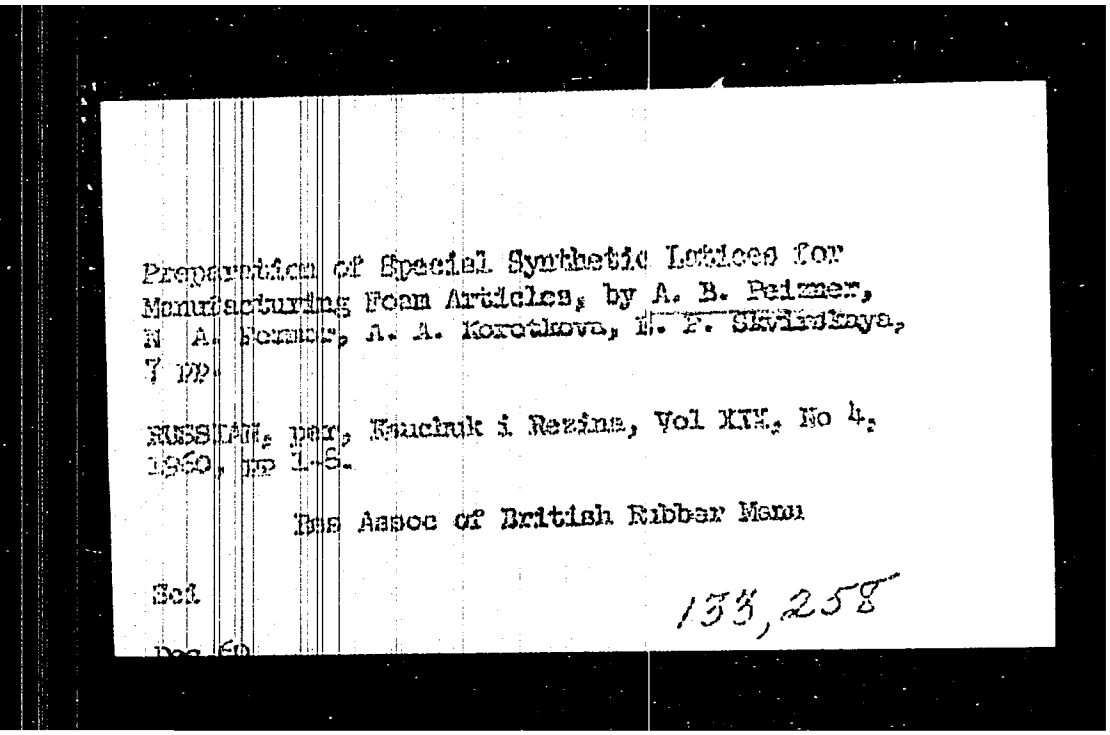
AEC-Tr-6984

Sci - Tech Sci
Jan 64

248,562

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Preparation of Special Synthetic Latices for Manufacturing Foam Articles, by A. B. Pelzmer, N. A. Semko, A. A. Koretskova, E. F. Skvirskaya, 7 pp.

RUSSIAN, per, Kauchuk i Rezina, Vol XIX, No 4, 1960, pp 1-6.

Rub Assoc of British Rubber Manu

Sci

Dec 60

133,258

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Main Factors Determining the Best Type of Butadiene-Styrene Latex for Dipping Tyre Cord, by A. B. Peizner, R. V. Uzina, N. A. Fermor, I. G. Khazanovich, 4 pp.

RUSSIAN, per, Kauchuk i Rezina, Vol XVIII, No 12, 1960, pp 10-13.

British Rubber Manufactures

Sci

Jul 60

120,420

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Mechanism of Emulsion Polymerization. III. The Effect of the Charge on the Colloidal Portion of the Soap Solution on the Polymerization Rate of My Styrene in Emulsion, by N. A. Fermor, A. B. Peizner, 6 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVI, No 4, 1954, pp 297-303. CIA D 151244

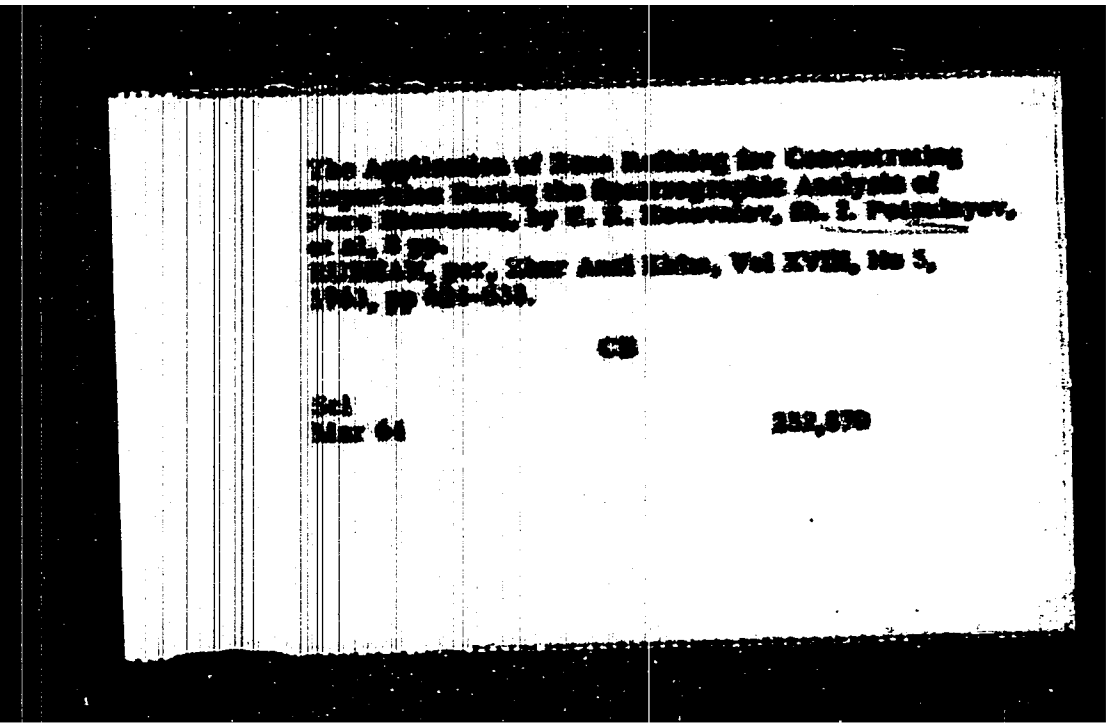
Consultants Bureau

Scientific - Physics Apr 55 CTS

22,588

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



[redacted] Spectrographic Analysis of [redacted], by E. E. [redacted], Sh. I. Pevzner, [redacted] p.

[redacted], per, Zhur Anal Khim, Vol XVIII, No 5, [redacted], pp [redacted].

CS

[redacted]
Mar 64

252,570

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Some Problems Relating to the Use of Zone Refining for Obtaining Analytical Concentrates, by Sh. I. Peizulaev, E. E. Konovalov, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVIII, No 10, 1963, pp 1155-1160.

CB

Sci
Aug 64

264,793

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Chemicospectrographic Determination of Impurities in Thorium and Its Compounds, by A. G. Karabash, Sh. I. Peĭsulayev, V. P. Usacheva, 8 pp.

RUSSIAN, PER. Zhur Anal Khim, Vol XVI, No 2, 1961, pp 217-222.

CB

200, 765

Sci
Apr 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Spectrochemical Methods of Analyzing High-Purity Materials Used in Reactor Construction and for the Production of Radioisotopes, by A. G. Karubnah, Sh. I. Peizulaev, 18 p.

RUSSIAN, bk, Proceedings of the First All-Union Conference on Radiation Chemistry Production of Isotopes, 1957, 9048095-0 PP 36-49

Consultants Bureau

Sci - Chem

Apr 60

114,525

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Methodes Spectrales Pour le Dosage des Traces D'Impur
D'Impuretes, (Spectral Methods for Determination
of Traces of Impurities), by Sh. I. Peizulayev, A. G.
Karabash, L. S. Krauz, F. A. Kostareva, N. I. Smirnova-Averina, F. L. Babina, L. I. Kondrat'eva, E. F. Voronova, V. M. Meshkova, 20 pp.

RUSSIAN to FRENCH, per, Zavod Lab, Vol XXIV, 1958, pp 723-731.

Reverse Trans
CEA Tr-R-815

Sci -
25 Jan 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Chemico-Spectrographic Analysis of High Purity Aluminum, by A. G. Kerabash, Sh. I. Pelmulayev, R. L. Slyusareva, V. M. Meshkova, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 5, 1959, pp 598-602.

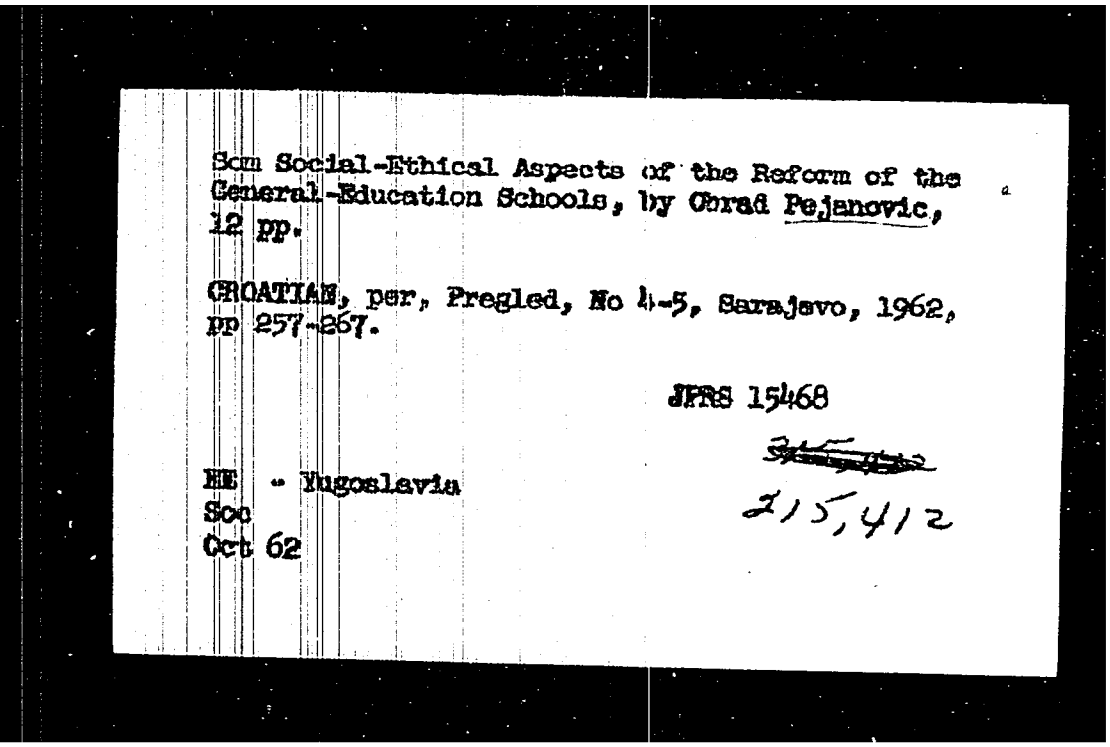
CB

Sep 60

126,254

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Scm Social-Ethical Aspects of the Reform of the General-Education Schools, by Obrad Pejanovic, 12 pp.

CROATIAN, per, Pregled, No 4-5, Sarajevo, 1962, pp 257-267.

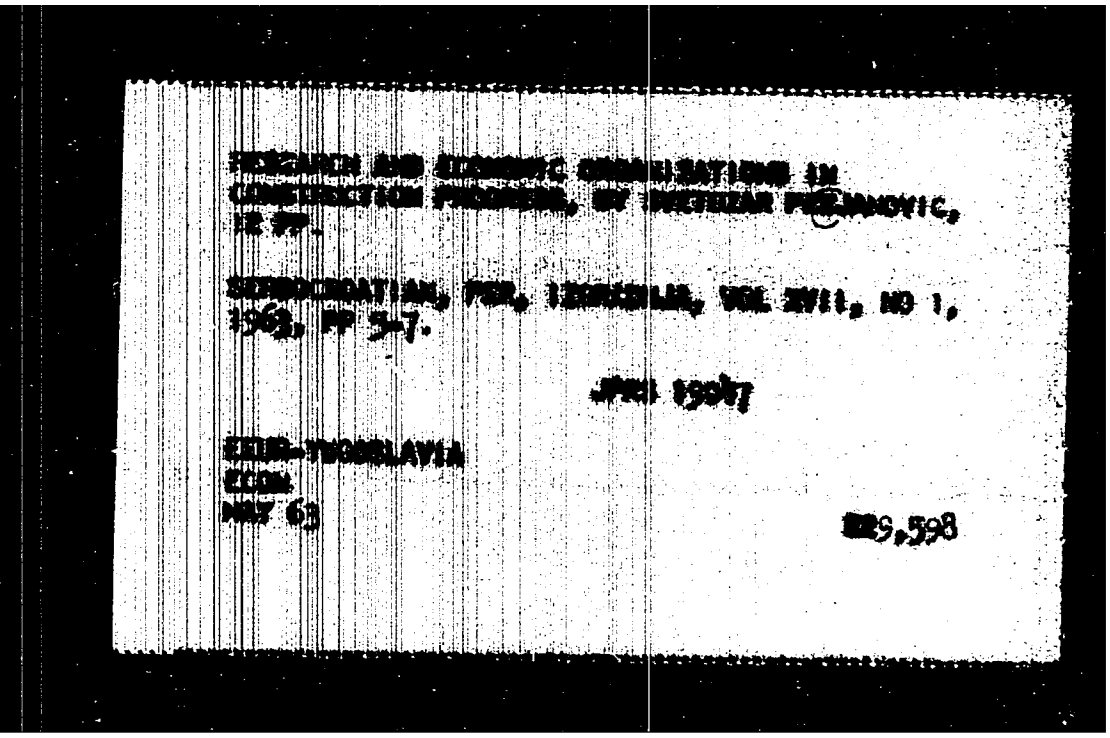
JPRS 15468

215,412

EE - Yugoslavia
Soc
Oct 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



[redacted] AND [redacted] IN
[redacted], BY [redacted],
[redacted] 27-

[redacted], VOL XVII, NO 1,
1963, PP 3-7.

[redacted]

[redacted]-YUGOSLAVIA
ECON
MAY 63

[redacted]9,598

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Possibilities of Improving the Quality of Railway Tyres by Making Them From Round Rolled Billets, by Zidek, Pejcoch, UNCLASSIFIED

CZECH, per, Hutnicke Listy, Vol XI, Dec 1956, pp 709-713.

Iron and Steel Inst Tr 807
(L3.0.0)

71,730

Sci - Min/Met
Aug 58

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Development of the High Quality Seamless Tubes Manufacture for the Exploitation of Petroleum and for Geological Research, by O. Pejcoch, UNCL J. Cerveny.

CZECH, per, Hutnicke Listy, No 1, 1958, pp 2-8.

BISI 1504

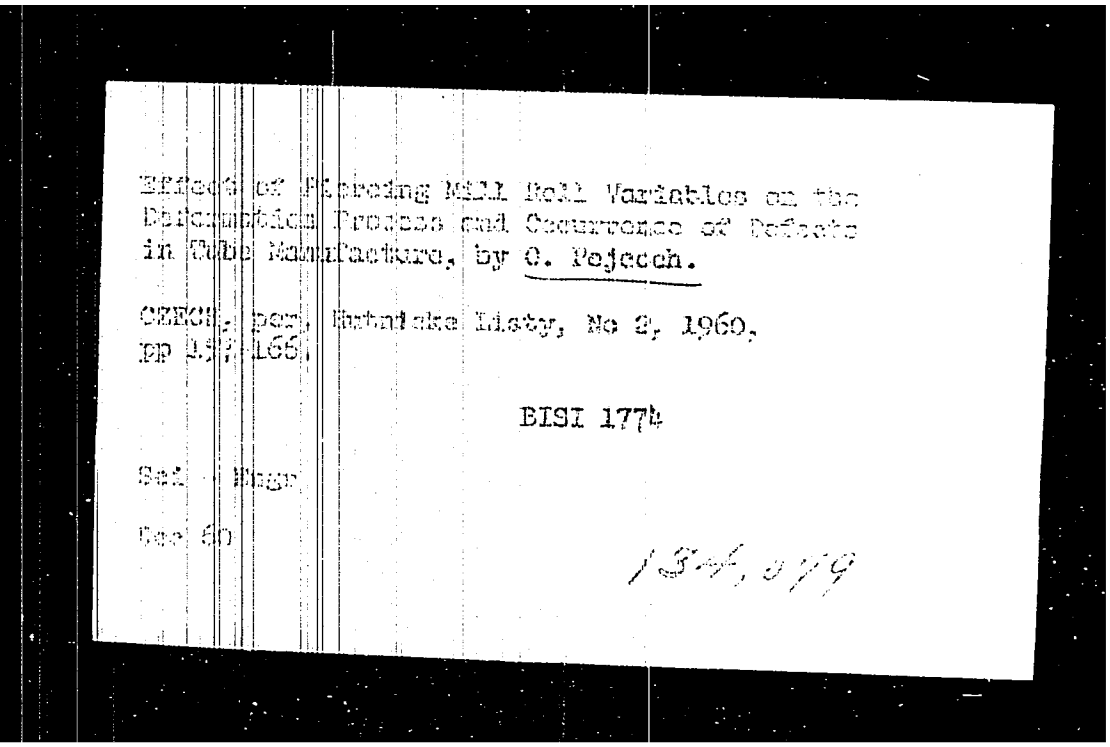
(L6 15s.0d.)

Sci - Engr
Feb 60

106,716

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Effect of Rotating Mill Roll Variables on the Deformation Process and Occurrence of Defects in Tube Manufacture, by O. Pejcoch.

CZECH., per., Hutnicke Listy, No 2, 1960, pp 137-165.

BISI 1774

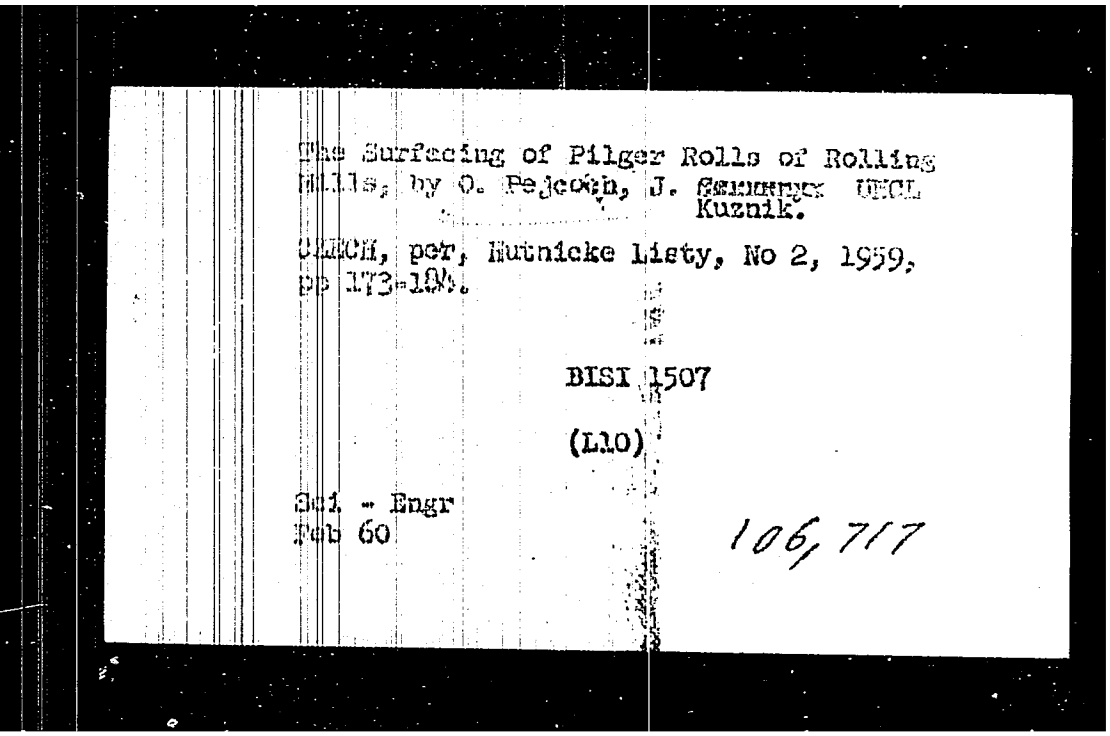
Sel. Engr

Dec 60

1304, 079

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



The Surfacing of Pilger Rolls of Rolling Mills, by O. Pejcoch, J. Semmrych UHCL Kuznik.

CZECH, per, Hutnicke Listy, No 2, 1959, pp 173-180.

BISI 1507

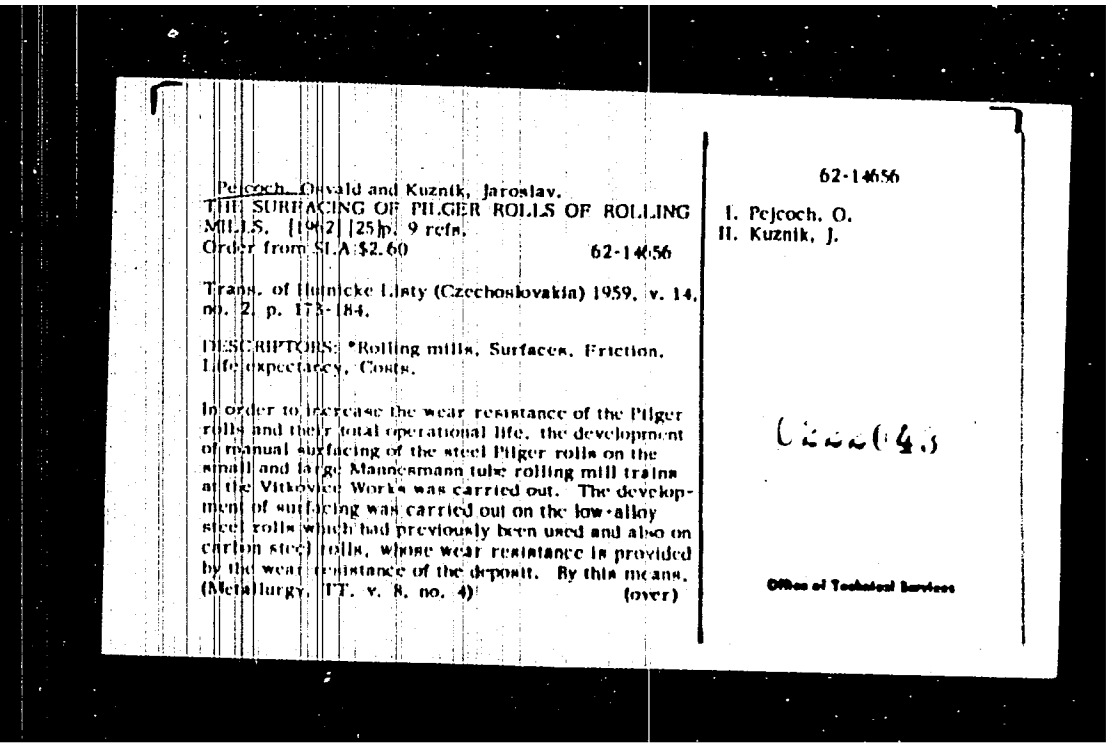
(L10)

Sci. - Engr
Feb 60

106,717

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Pejcoch, Osvald and Kuznik, Jaroslav.
THE SURFACING OF PILGER ROLLS OF ROLLING MILLS. [1962] [25]p. 9 refs.
Order from SLA $2.60 62-14656

Trans. of Hutnicke Listy (Czechoslovakia) 1959, v. 14, no. 2, p. 173-184.

DESCRIPTORS: *Rolling mills, Surfaces, Friction, Life expectancy, Costs.

In order to increase the wear resistance of the Pilger rolls and their total operational life, the development of manual surfacing of the steel Pilger rolls on the small and large Mannesmann tube rolling mill trains at the Vitkovice Works was carried out. The development of surfacing was carried out on the low-alloy steel rolls which had previously been used and also on carbon steel rolls, whose wear resistance is provided by the wear resistance of the deposit. By this means, (Metallurgy, IT, v. 8, no. 4) (over)

62-14656

I. Pejcoch, O.
II. Kuznik, J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Construction Problems in the Third Five-Year Plan, by E. Fejga, FOUO.

CZECH, per, Stavivo, Jan 1960, Prague, pp 3-5.

FDD Sum 2545

EEur - Czechoslovakia

Econ - Construction

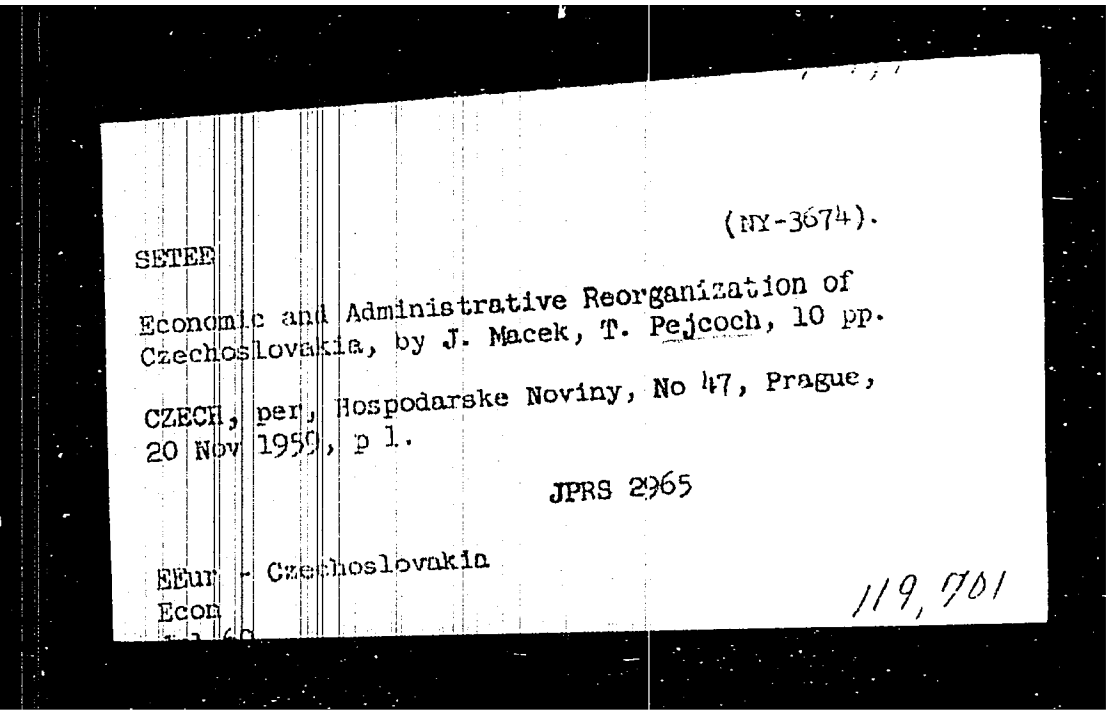
Apr 60

Copyright

112, 756

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



(NY-3674).

SETEE

Economic and Administrative Reorganization of Czechoslovakia, by J. Macek, T. Pejcoch, 10 pp.

CZECH, per, Hospodarske Noviny, No 47, Prague, 20 Nov 1959, p 1.

JPRS 2965

EEur - Czechoslovakia
Econ

119,701

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Types and Origins of Defects in Round Billets Used in Rolling Seamless Tubes, by O. Pejcoch, M. Zidek.

CZECH; pers, Hutnik, Vol XI, No 2, 1961, pp 59-74.

BISI 2343

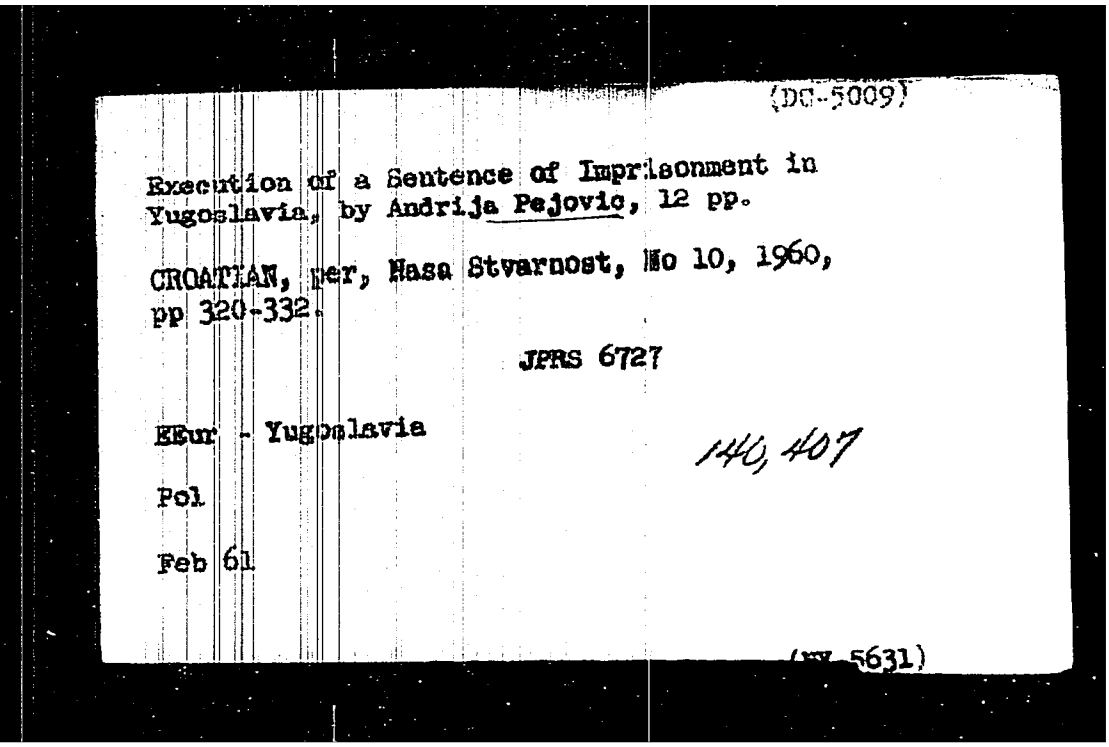
Sci - Engr

176 460

Dec 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



(DC-5009)

Execution of a Sentence of Imprisonment in Yugoslavia, by Andrija Pejovic, 12 pp.

CROATIAN, Per, Nasa Stvarnost, No 10, 1960, pp 320-332.

JPRS 6727

EEur - Yugoslavia

140,407

Pol

Feb 61

(DC-5631)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

(SF-1856)

Regulation and Methods of Credit Transactions with Other Countries, by Momcilo V. Pejovic, 3 pp.

CROATIAN, per, Vesnik Jugoslovenske investicione banke, August 1961, No 56, pp 4, 5.

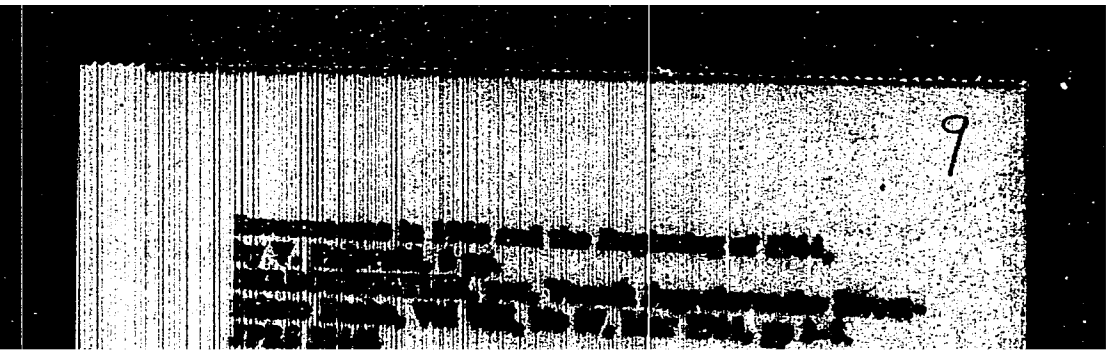
JPRS 12655

EEur-Yugoslavia
Econ
Mar 62

185,737

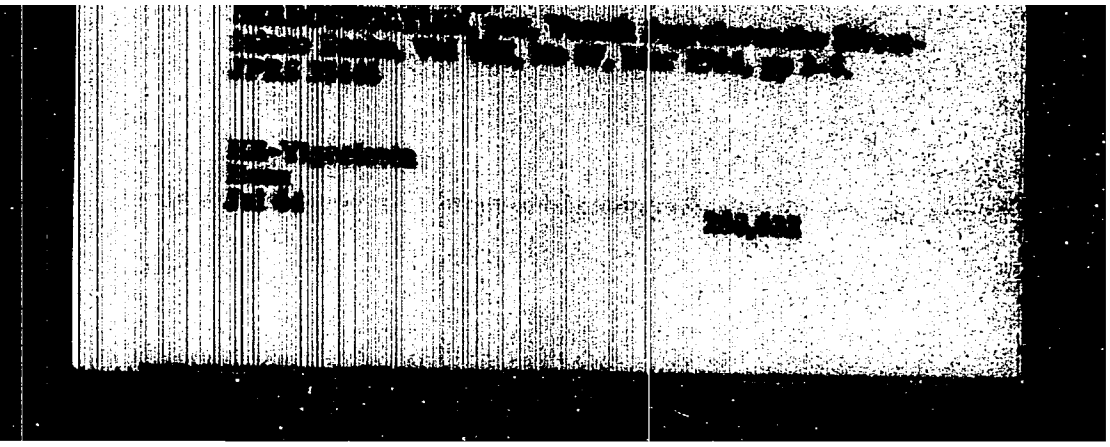
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



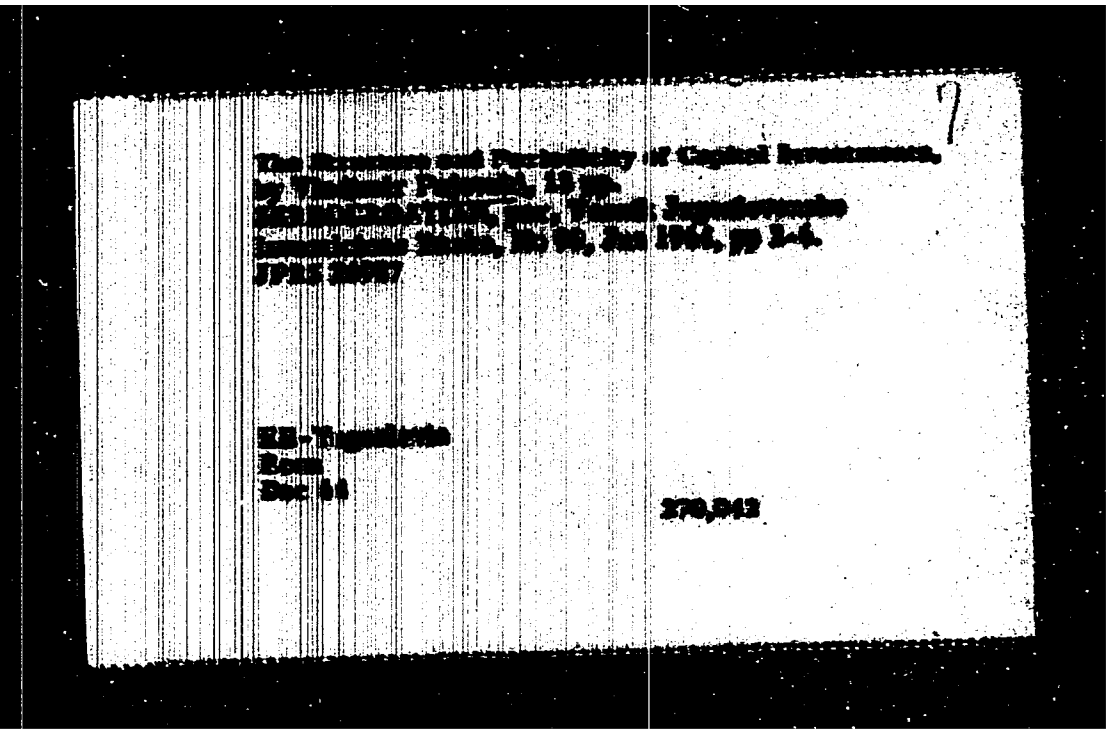
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

(NY-6085/2)

Investments in Fixed Assets in 1960, by Vladimir Pejovski, 9 pp.

CROATIAN, per, Finansije, Vol XVI, No 1, 1961, pp 44-46.

2

JPRS 9504

159,825

EEur - Yugoslavia
Econ
Jul 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Problems in Investment Activity, by Vladimir Pejovski.

CROATIAN, per, Finansije, Apr 1959, pp 193-205.

FDD Sum 2319

KEur - Yugoslavia
Econ - Gen Econ

Sep 59

95,978

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

(NY-6440)

Measuring Labor Productivity in Hungarian Industry, by Mira Pejnovic, 8 pp.

HUN HUNGARIAN, per, Produktivnost, Vol III, No 9, 1961, pp 599-601.

JPRS 13491

191,331

EEur - Hungary
Econ
Apr 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

(2300-H/b)

Agricultural Production Zoning Problems, by J. Koralka, J. Novak, M. Pejsa, 22 pp.

CZECH, per, Planovane Hospodarstvi, No 12, Prague, 1958, pp 904-919.

JPRS 1345-N

EEur - Czech
Econ - Agriculture
Mar 59

83,799

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Pek, G.
ALGUNAS MEDIDAS PARA LA LUCHA CONTRA LA CORROSION DE UNA INSTALACION DE REFRIGERACION (Nekotorye Mery Bor'by s Korroziei Kholodil'nogo Oborudovaniya) (Description of Some Anticorrosion Measures in a Refrigeration Plant). 5p. CID: 62-214. Order from OTS, ETC or CID $0.80 62-29214

Trans. in Spanish of Kholodil'naya Tekhnika (USSR) 1958, v. 35, no. 4, p. 69-70.

DESCRIPTORS: *Corrosion, Refrigeration systems, *Corrosion inhibition.

(Metallurgy--Corrosion, IT, v. 10, no. 9)

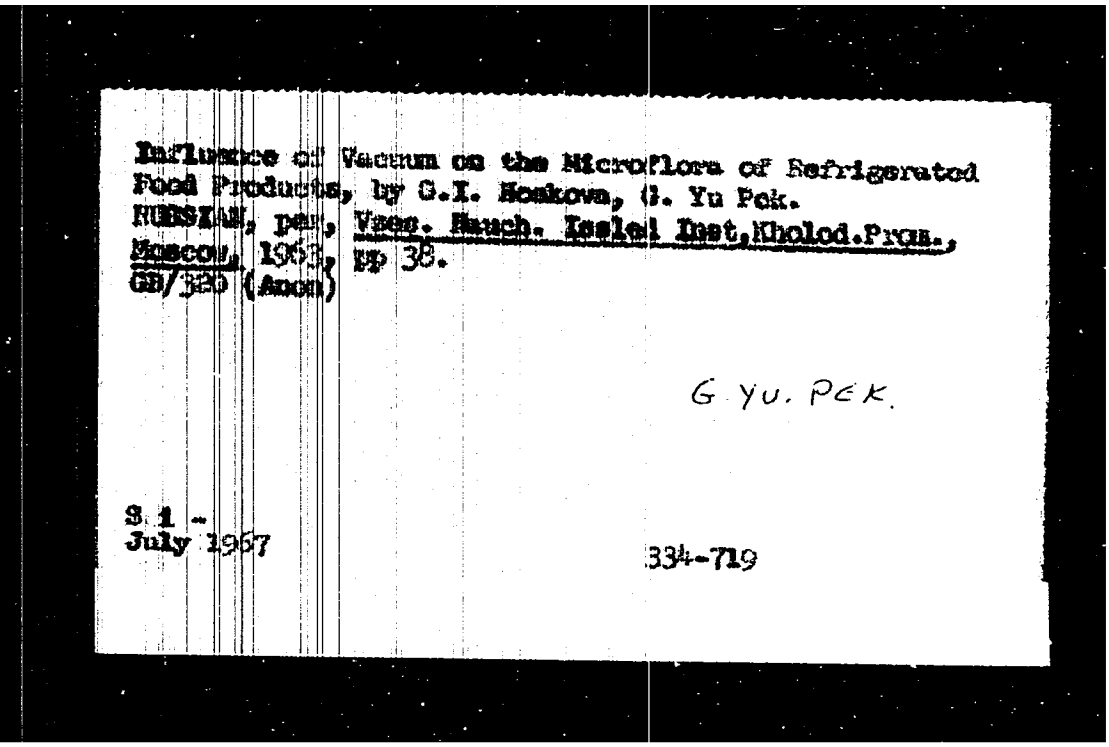
62-29214

I. Pek, G.
II. CID-62-214
III. Centro de Informacion y Documentacion, Madrid (Spain)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Influence of Vacuum on the Microflora of Refrigerated Food Products, by G.I. Moskova, G. Yu Pek.
RUSSIAN, pam, Vsesoyuz. Nauch. Issled. Inst. Kholod. Prom., Moscow, 1957, pp 38.
GB/325 (Anon)

G. Yu. PEK.

S-1 -
July 1967

334-719

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Effect on Luminescence and Electrical Conductivity of Cuprous Oxide of an Electric Field Applied to the Surface, by G. P. Peka and Yu. I. Karkhanin. pp 6

RUSSIAN, per. Fiz Tverdogo Tela, Vol IV, No 12 1962, pp 3618-3625.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 12

Sci

Jun 63

310,784

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Investigation of the Effect of an Electric Field, Applied at the Surface, on the Luminescence and Electrical Conductivity of Cuprous Oxide by G. P. Peka 5 p.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 5, 1962, pp. 1118-1123

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 5

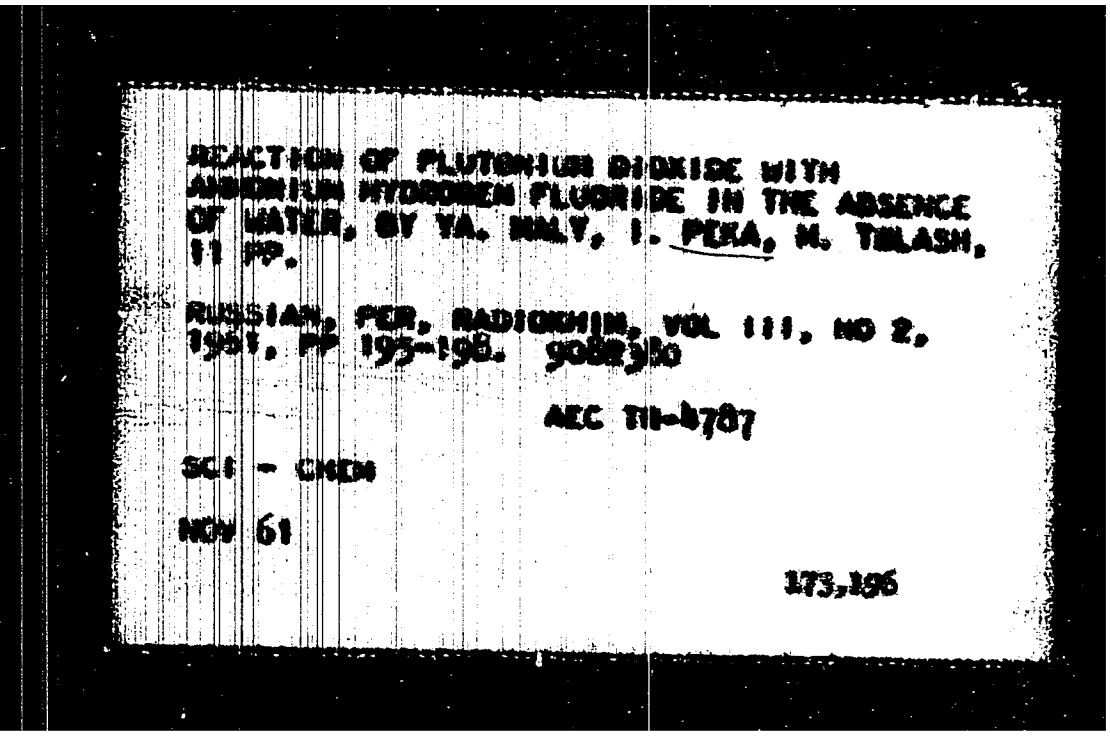
Sci

Jun 63

342,388

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



REACTION OF PLUTONIUM DIOXIDE WITH
AMMONIUM HYDROGEN FLUORIDE IN THE ABSENCE
OF WATER, BY YA. MALY, I. PEKA, M. TRLASH,
11 PP.

RUSSIAN, PER. RADIOKHIM, VOL III, NO 2,
1961, PP 193-198. 900830

AEC TR-4787

SCI - CHEM

NOV 61

173,196

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Physics of Semiconductor Surfaces, by
G. P. Peka,
RUSSIAN, bk, Fizika Poverkhnosti Poluprovodnikov,
*CB

Sept 66

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

(DC-4565)

Production of Rolling Stock, by Dobromil Pekar, 5 pp. FOR OFFICIAL USE ONLY

CZECH, per, Technicka Praca, Vol XII, No 9, 1960, pp 825-831.

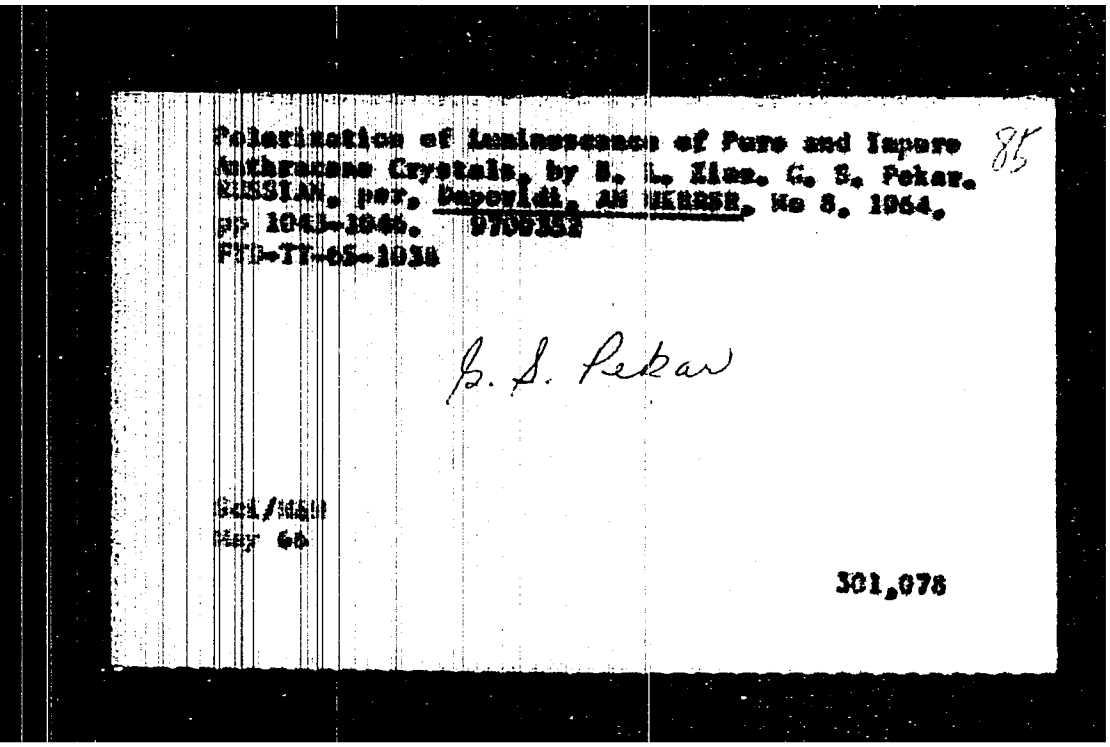
JPRS 6329

EEur - Czechoslovakia
Econ
Dec 60

COPYRIGHT
134,360

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Polarization of Luminescence of Pure and Impure Anthracene Crystals, by S. L. Zina, G. S. Pekar. RUSSIAN, per. Doklady, AN SSSR, No 8, 1964, pp 1043-1046. 9705152
FTD-TT-65-1038

85

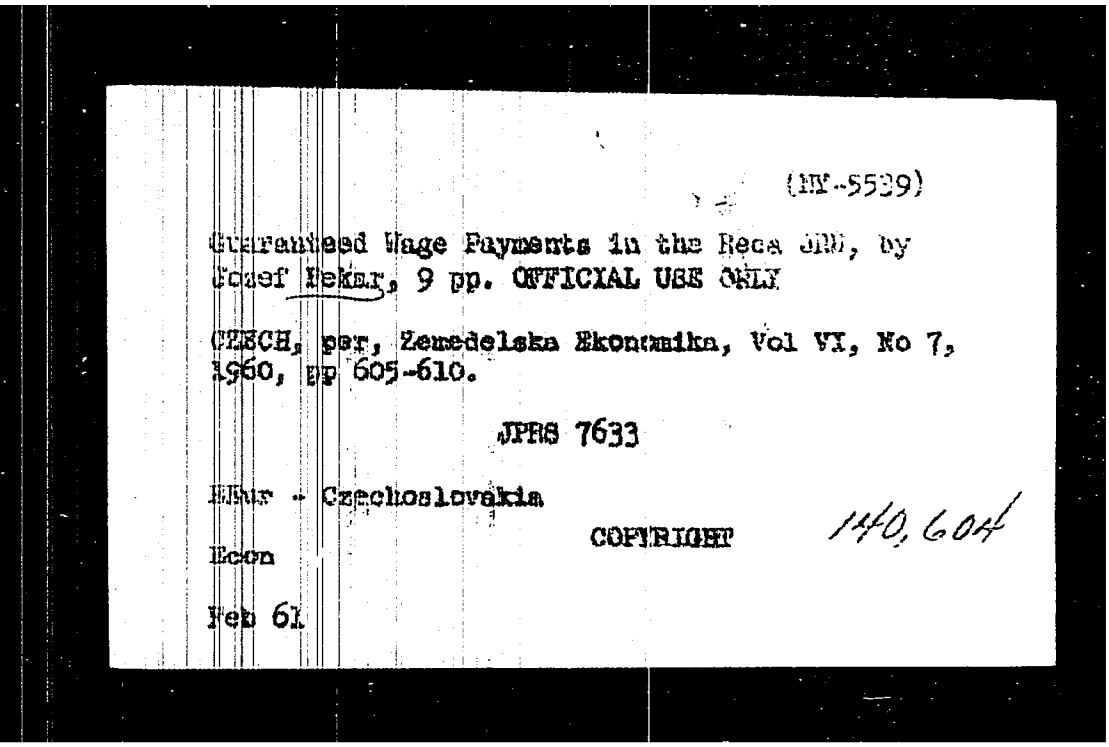
G. S. Pekar

Gen/ida
May 66

301,078

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



(NY-5529)

Guaranteed Wage Payments in the Reca JNB, by Josef Beker, 9 pp. OFFICIAL USE ONLY

CZECH, per, Zemedelska Ekonomika, Vol VI, No 7, 1960, pp 605-610.

JPRS 7633

Ethnr - Czechoslovakia

Econ

Feb 61

COPYRIGHT

140,604

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Identification of Excitons With Light Waves in a Crystal and the Macroscopic Theory of Excitons With and Without Account of Retardation, by S. I. Pekar, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 6, 1960, pp 1786-1797.

AIP
Sov Phys-JETP
Vol XI, No 6

141,339

Sci

Mar 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

On an Experimental Demonstration of the Existence of Additional Anomalous Light Waves in a Crystal in the Exciton Absorption Region, by M. S. Brodin, S. I. Pekar, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 1, 1960, pp 74-81.

Amer Inst of Phys
Sov Phys - JETP
Vol XI, No 1

Sci
Aug 60

122,180

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Inclusion of Surface Excitons in the Theory of Electromagnetic Waves in Crystals, by G. F. Kventsel' and S. I. Pekar, pp 9.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 10, 1962, pp 2818-2828.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 10

340,570

Sci.

Jun 63

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

ıeory of Electric Conductivity in Semiconductors Including
ıe Fields of Charged Impurity Centers, by N. E. ~~XXXXXXXXX~~
~~XXXXXXXXX~~ S. I. Pekar, 5 pp.

ISSIAN, per, Fiz Tverdogo Tela, Vol V, No 5, 1963,
) 1297-1303.

CB
Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 5

241,743

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Research in Electron Theory of Crystals, by S. I. Pekar. 240 pp.

RUSSIAN, bk, Issledovaniya po Elektronnoi Teorii Kristallov, Moscow, 1951.

AEC-Tr-5587S

Sci - Electr

Aug 63

341,582

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Light Waves in Crystals in the Exciton Absorption Region and the Impurity Photoeffect, by I. M. Lyfshan, S. I. Pekar, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVII (10), ~~No 2, 1960~~, No 2(8), 1954, pp 510-521

Amer Inst of Phys
Sov Phys-JETP

Sci

119,089

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Method of Traces for Conduction Electrons in Semiconductors. Part I. Weak Interaction Between Electrons and Vibrations, by M. A. Krivoglaz, S. I. Pekar, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 1, 1957, pp 3-15.

Columbia Tech

Sci - Electron
Apr 58

61 553

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Quantum States of Particles Coupled with Arbitrary Strength to a Harmonically-Oscillating Continuum. II. The Case of Translational Symmetry, by V. M. Buimistrov and S. I. Pekar, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIII, No 5 (11), 1957, pp 1266/1270/ 1271-1276.

Amer Inst of Phys
Sov Phys-JETP
Vol VI(33), No 5

Sci - Phys

Jul 58

67,099

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Theory of Polarons With Arbitrary Coupling Forces Between the Electrons and Optical Lattice Vibrations, by S. I. Pekar, V. M. Buimistrov, 2 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 11, 1957, pp2667, 2668.

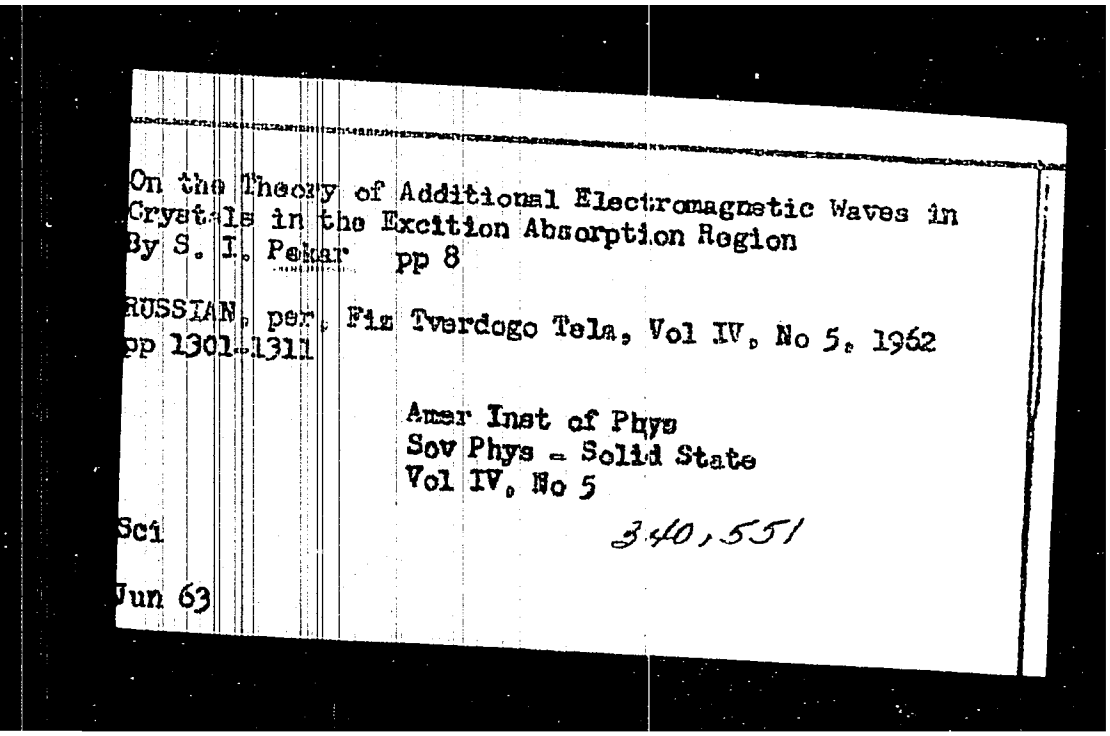
Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 11

Sci - Physics
Jul 58

66,409

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



On the Theory of Additional Electromagnetic Waves in Crystals in the Exciton Absorption Region
By S. I. Pekar pp 8

RUSSIAN, per. Fiz Tverdogo Tela, Vol IV, No 5, 1962
pp 1301-1311

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 5

Sci

Jun 63

340,551

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Theory of Electromagnetic Waves in a Crystal in Which Excitons Are Produced, by S. I. Pekar, 12 pp.

RUSSIAN, per, Zhur Eksper i Teoret fiz, Vol XXXIII, No 4 (10), 1957, pp. 1022-1036

Amer Inst of Phys
Sov Phys-JETP
Vol VI (33), No 4

Sci - Phys

Jun 58

65, 673

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Method of Traces for Conduction Electrons in Semiconductors. Part II. Variational Method, by M. A. Krivoglaz, S. I. Pekar, XXXXXX 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 1, 1957, pp 16-32.

Columbia Tech

Sci - Electronics
Apr 58

61, 554

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Influence of the Polaron Effect on the Thermodynamic[illegible] of Conduction Electrons in Semiconductors (Part III), by M. A. Krivoglaz, S. I. Pekar, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 1, 1957, pp 33-36.

Columbia Tech

Sci - Electronics
Apr 58

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Quantum States of Particles Coupled to a Harmonically Oscillating Continuum with Arbitrarily Strong Interaction, I. Case of Absence of Translational Symmetry, by V. M. Buimistrov, S. I. Pekar, 6 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXXII, No 5, 1957, pp 1193-1199.

Amer Inst of Phys
Sov Phys-JETP
Vol V, No 5

Sci - Phys

Mar 58

57-9,486

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Some Problems of the Theory of Semi-Conductors and Dielectrics and the Course of Future Developments of the Theory, by S. I. Pekar.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LX, No 2, 1956 pp 191-212. CIA 9039?7

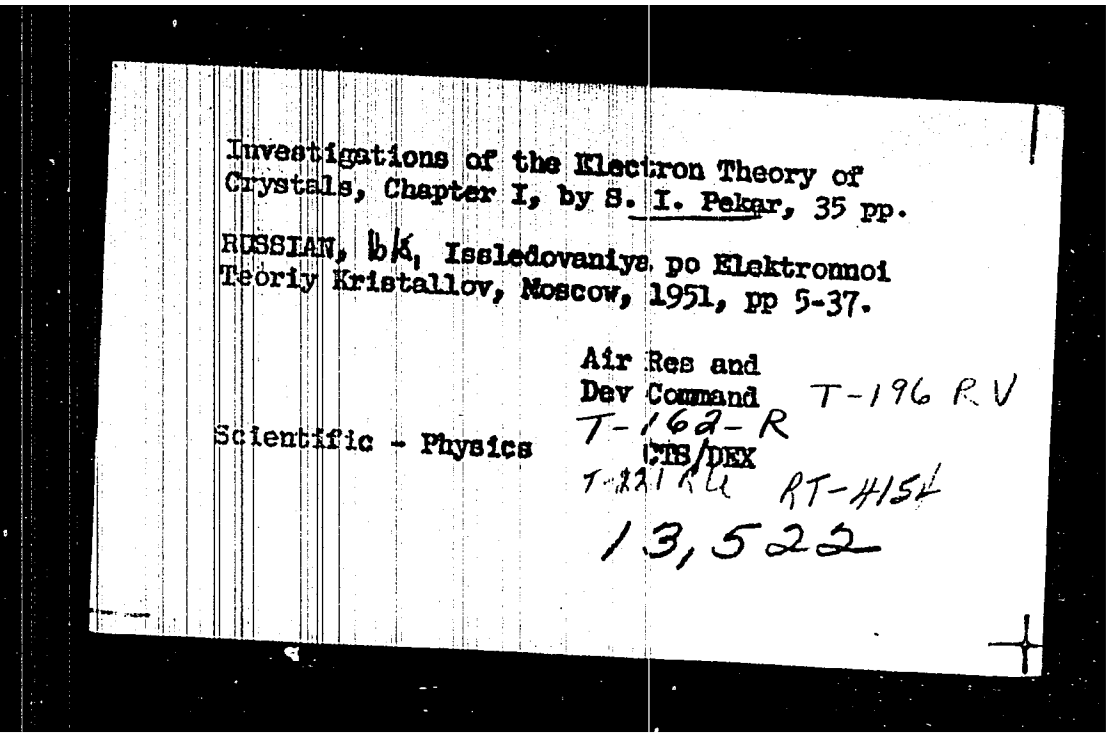
Co-Op Tr Sch Tr 387

Sci - Electronics
Nov 57

55,094

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



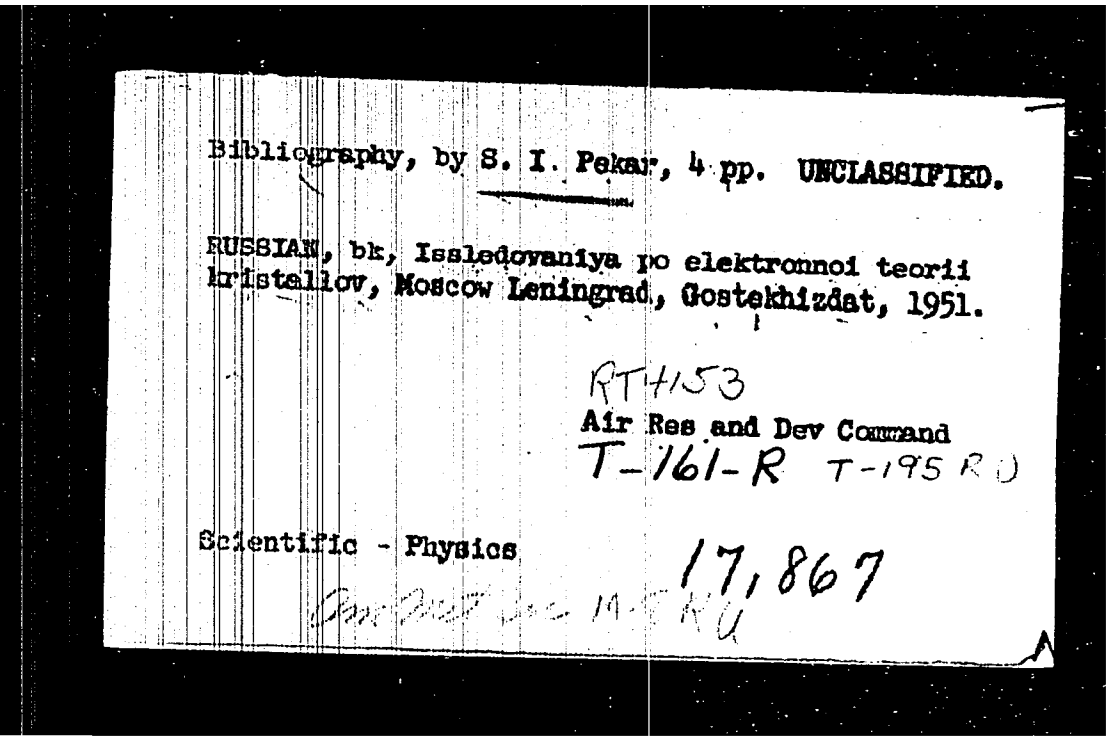
Investigations of the Electron Theory of Crystals, Chapter I, by S. I. Pekar, 35 pp.

RUSSIAN, b/k, Issledovaniya po Elektronnoi Teoriy Kristallov, Moscow, 1951, pp 5-37.

Air Res and Dev Command T-196 RV
T-162-R
Scientific - Physics CMS/DEX
T-221 RV RT-415L
13,522

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Bibliography, by S. I. Pekar, 4 pp. UNCLASSIFIED.

RUSSIAN, bk, Issledovaniya po elektronnoi teorii kristallov, Moscow Leningrad, Gostekhizdat, 1951.

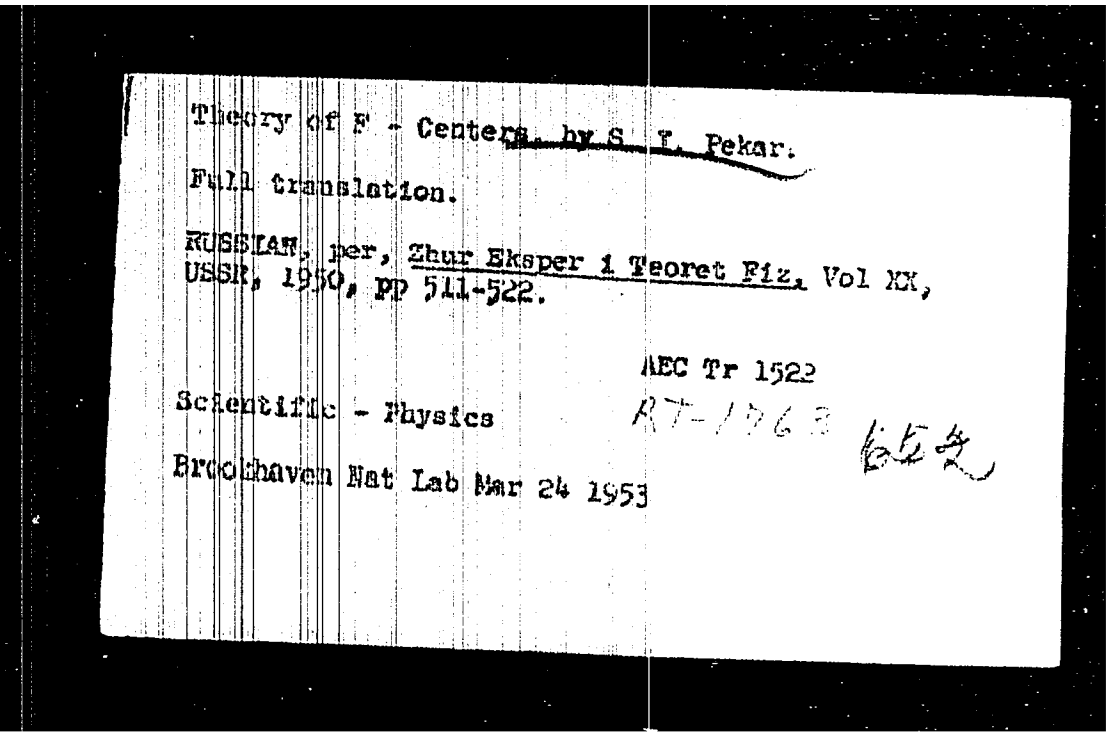
RTH153
Air Res and Dev Command
T-161-R T-195 RD

Scientific - Physics

17,867

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Theory of F - Centers. by S. I. Pekar.

Full translation.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XX, USSR, 1950, pp 511-522.

AEC Tr 1522

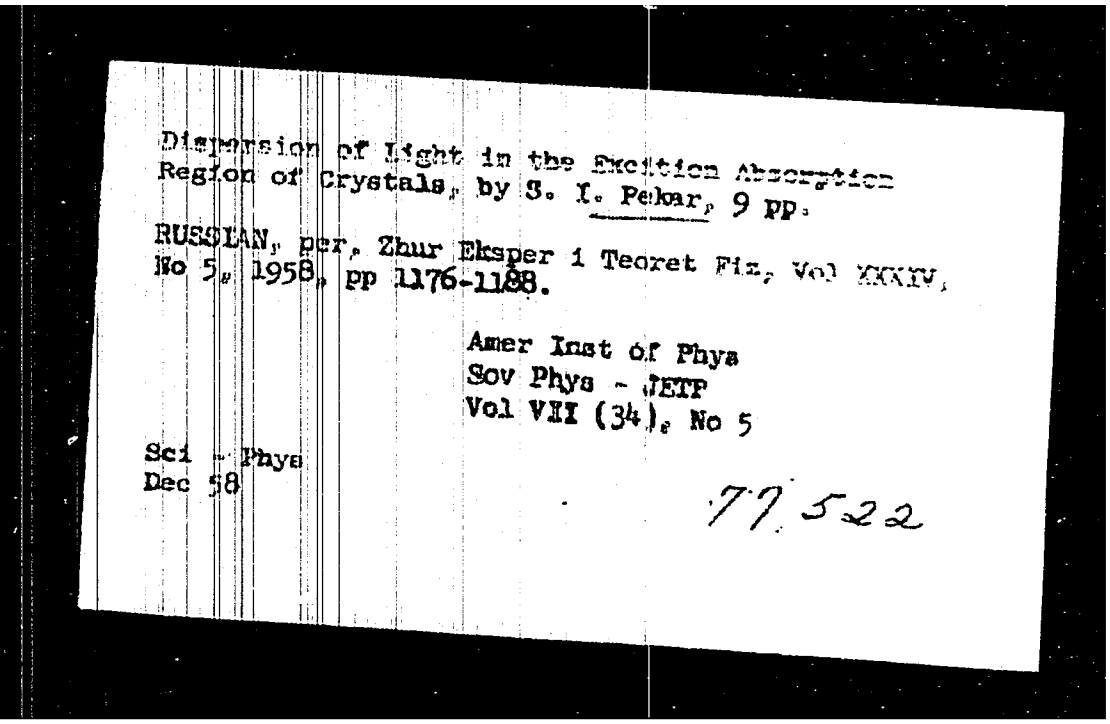
Scientific - Physics

RT-1763

Brookhaven Nat Lab Mar 24 1953

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Dispersion of Light in the Exciton Absorption Region of Crystals, by S. I. Pekar, 9 pp.

RUSSIAN, per. Zhur Eksper i Teoret Fiz, Vol XXXIV, No 5, 1958, pp 1176-1188.

Amer Inst of Phys
Sov Phys - JETP
Vol VII (34), No 5

Sci - Phys
Dec 58

77522

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Nucleomesodynamics in Strong Coupling. I. Approximate Method. Spin-Charge Motion, by S. I. Pekar, 11 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXX, No 2, Jan Feb 1956, p 304.

Amer Inst of Physics
Vol III, No 2
Soviet Physics, JETP

46, 491

Sci - Physics
Apr 57 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

On the Theory of Absorption and Dispersion of Light in Crystals, by S. I. Pekar, 10 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVI(9), No 2, 1959, pp 451-464.

Amer Inst of Phys
Sov Phys - JETP

Sci - Phys

Sept 59

97,168

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Nucleomesodynamics in Strong Coupling. II. The Ground and Isobar States, Nucleon Charge and Spin, by V. N. Bayer, S. I. Pekar, 10 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXX, No 2, 1956, pp 317-329.

Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 3

Sci - Physics
Apr 57 CRS

46,593

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Supplementary Light Waves in Crystals and Exciton Absorption, by S. I. Pekar. 7 pp.

RUSSIAN, per. Uspekh Fiz Nauk, Vol LXXVII, No 1-2, 1962, pp 309-320.

Amer Inst of Physics
Sov Phys - Uspekhi
Vol. V, No 2

Sci

Mar 63

233, 233

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Nucleomesodynamics in Strong Coupling. III. Translational Motion. Meson Field Mass and Magnetic Moment of the Nucleon, by I. N. Dylman, S. I. Pekar, 13 pp.

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol XXX, No 6, 1956, pp 1125-1141.

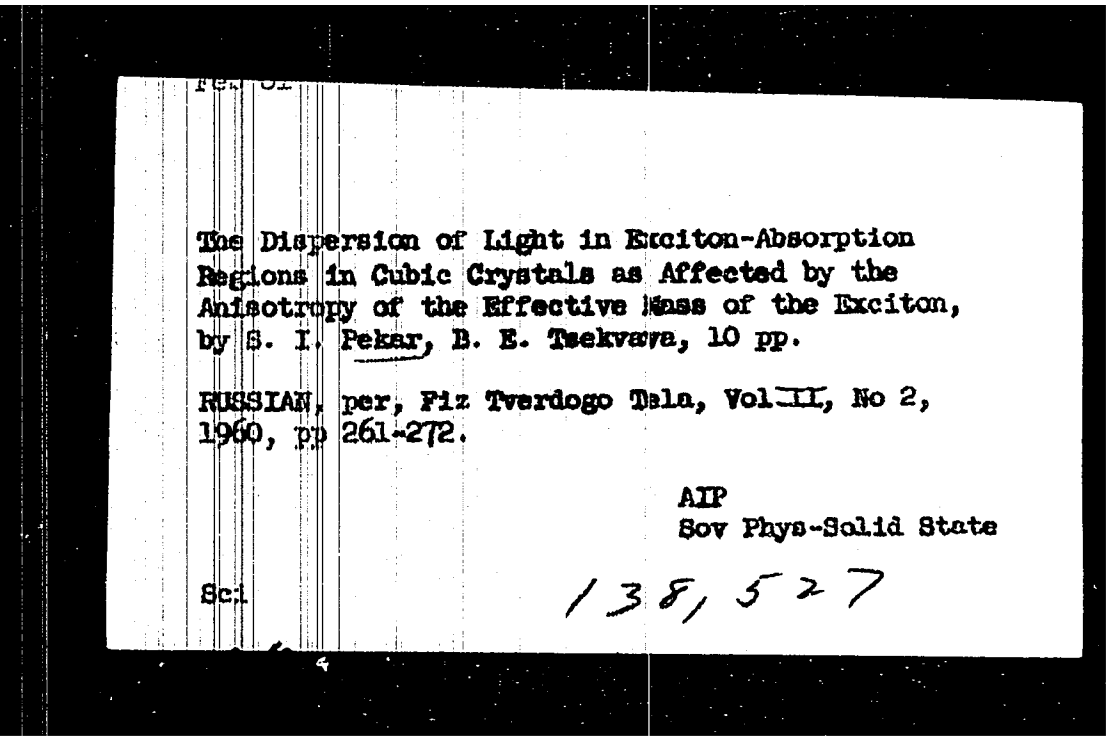
Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 6

Sci - Physics
Apr 57 CTS

46,740

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Fiz. Sb.

The Dispersion of Light in Exciton-Absorption Regions in Cubic Crystals as Affected by the Anisotropy of the Effective Mass of the Exciton, by S. I. Pekar, B. E. Tsekvava, 10 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 2, 1960, pp 261-272.

AIP
Sov Phys-Solid State

Sci

138,527

4

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Theory of the Temperature Dependence of the Dispersion and Exciton Absorption of Light in Crystals, by S. I. Pekar, V. L. Strizhevskiy, 4 pp.

RUSSIAN, par, Fiz Tverdogo Tela, Vol II, No 5, 1960, pp 894-897.

AIP
Sov Phys-Solid State

Sci

Jan 61

135, 137

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Shape and Temperature-Dependence of Impurity-Activated Luminescence and Absorption Bands of Solid and Liquid Dielectrics and Semiconductors, by S. I. Pekar, 1 p.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Fiz, Vol XVIII, No 6, 1954, pp 712-713. CIA C 40664

Columbia Tech Tr

Scientific - Physics 31,728 Feb 56 CTS/DFX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Existence of Quantum Stationary States of Point Nucleons Which Interact With the Meson Field, by S. I. Pekar, 4 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXIX, No 5, Nov 1955, pp 599-604.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

Sci - Physics
Feb 57 CTS

43,778

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

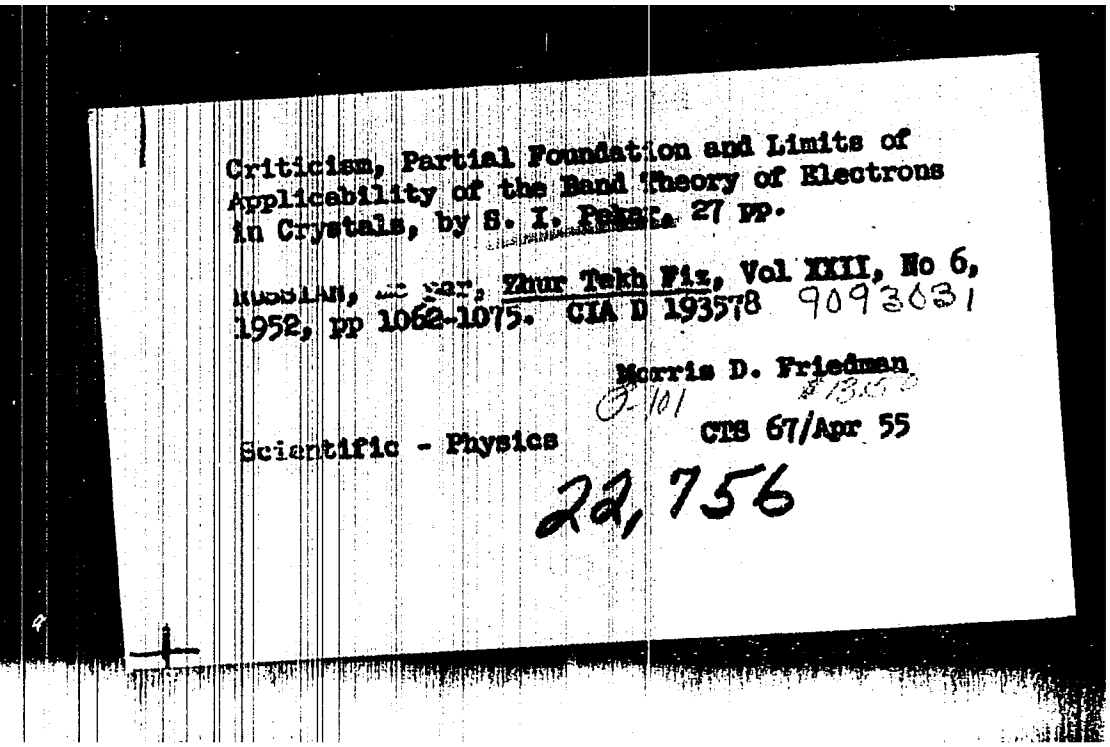
Untersuchungen uber dei Elektronentheorie der Kristalle. 1954, by S. I. Pekar

Translated from the Russian edition. 1951.

DSIR 539.12:548
Lending Lib Unit
G. 11315

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Criticism, Partial Foundation and Limits of Applicability of the Band Theory of Electrons in Crystals, by S. I. Pekar. 27 pp.

Russian, ~~xxx~~ xxx, Zhur Tekh Fiz, Vol XXII, No 6, 1952, pp 1062-1075. CIA D 193578 9093031

Morris D. Friedman

Scientific - Physics

CTS 67/Apr 55

22,756

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

On Polaron Theory, by S. I. Pekar, 20 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXII, No 6, 1952, pp 1076-1085. CIA D 193577 9093052

Morris D. Friedman
C-103 $10.00

Scientific - Physics CIB 67/Apr 55

22,757

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

On the Theory of Luminescence and Light Absorption by Impurities in Dielectrics, by S. I. Pekar, 17 pp. UNCLASSIFIED

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol XXII, No 6, 1952, pp 641-657.

Navy Tr 847/NRL 450

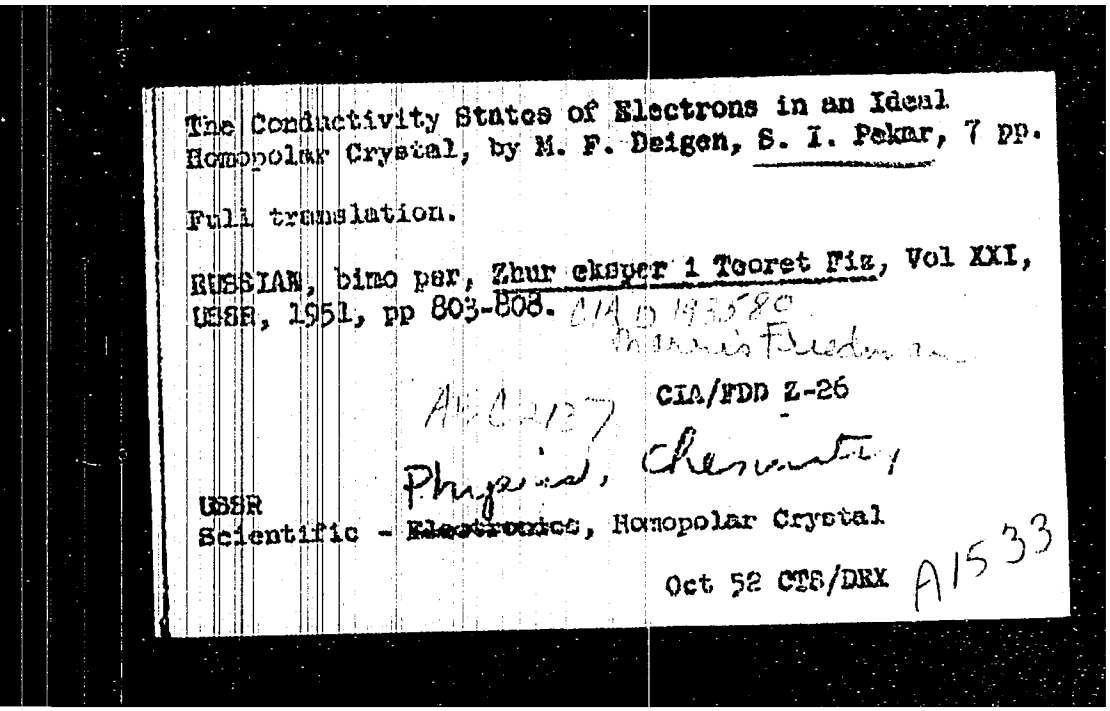
Lc. Dr. Cy. + RT 142

USSR
Scientific - Physics

6578

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



The Conductivity States of Electrons in an Ideal Homopolar Crystal, by M. F. Deigen, S. I. Pekar, 7 pp.

Full translation.

RUSSIAN, bimo per, Zhur eksper i Teoret Fiz, Vol XXI, USSR, 1951, pp 803-808. CIA D 43578

CIA/FDD Z-26

Physical, Chemistry

USSR
Scientific - Electronics, Homopolar Crystal

Oct 52 CTS/DRX A1533

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

On the Computation of Polarons by Direct Variational Methods, by S. I. Pekar, 6 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz, Vol XXVII, 1954, pp 651-653. CIA D 193572

Morris D. Friedman
$3.00

Scientific - Physics CTS 67/Apr 55

22,946

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Autolocalization of the Electron in an Inertially Polarizable Dielectric Medium, by S. I. Pekar, 19

RUSSIAN, per, Zhur Eksper i Teorat Fiz, Vol XVI, 1946, pp 335-340.

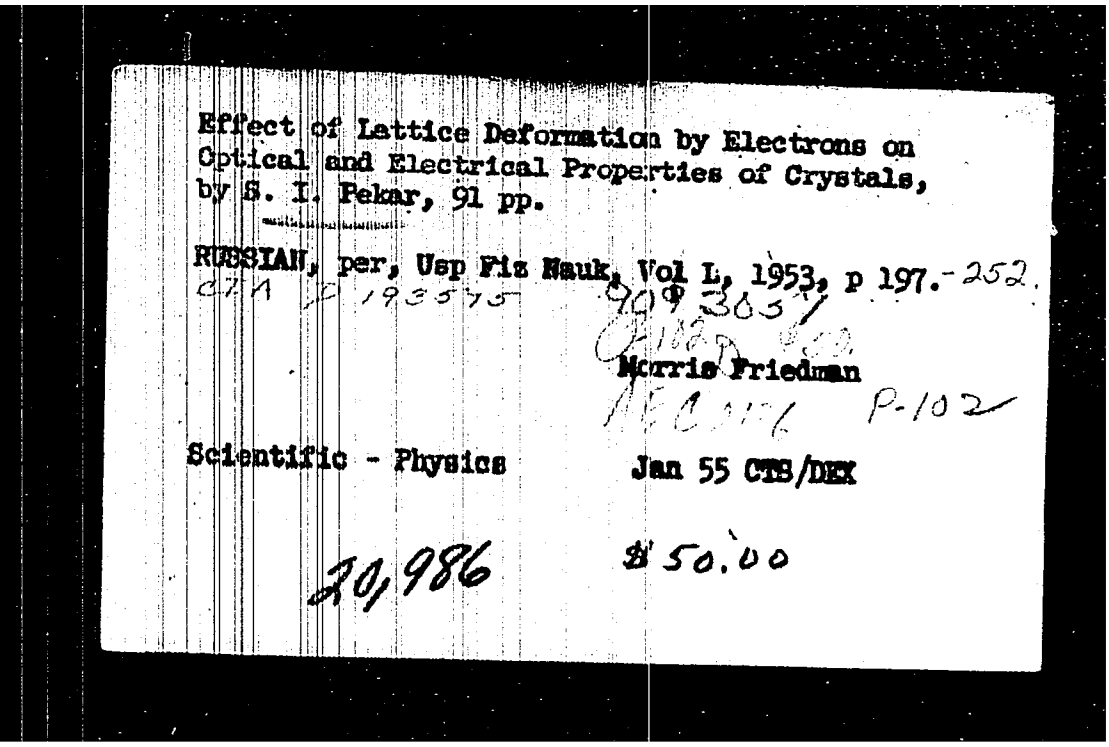
AEC Tr-4259

Sci - Phys
Jun 61

156,076

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Effect of Lattice Deformation by Electrons on Optical and Electrical Properties of Crystals, by S. I. Pekar, 91 pp.

RUSSIAN, per, Usp Fiz Nauk, Vol L, 1953, p 197.-252.

Morris Friedman

Scientific - Physics Jan 55 CTS/DEX

20,986 $ 50.00

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

The Theory of Polarons With a Classical Examination of the Mobility of the Ions of a Crystal, by S. I. Pekar, 72 pp.

RUSSIAN, bk, Issledovaniya po elektronnoi teorii kristallov, Moscow, 1951, pp 38-81.

Air Res and Dev Command
~~Index~~ T-163 R

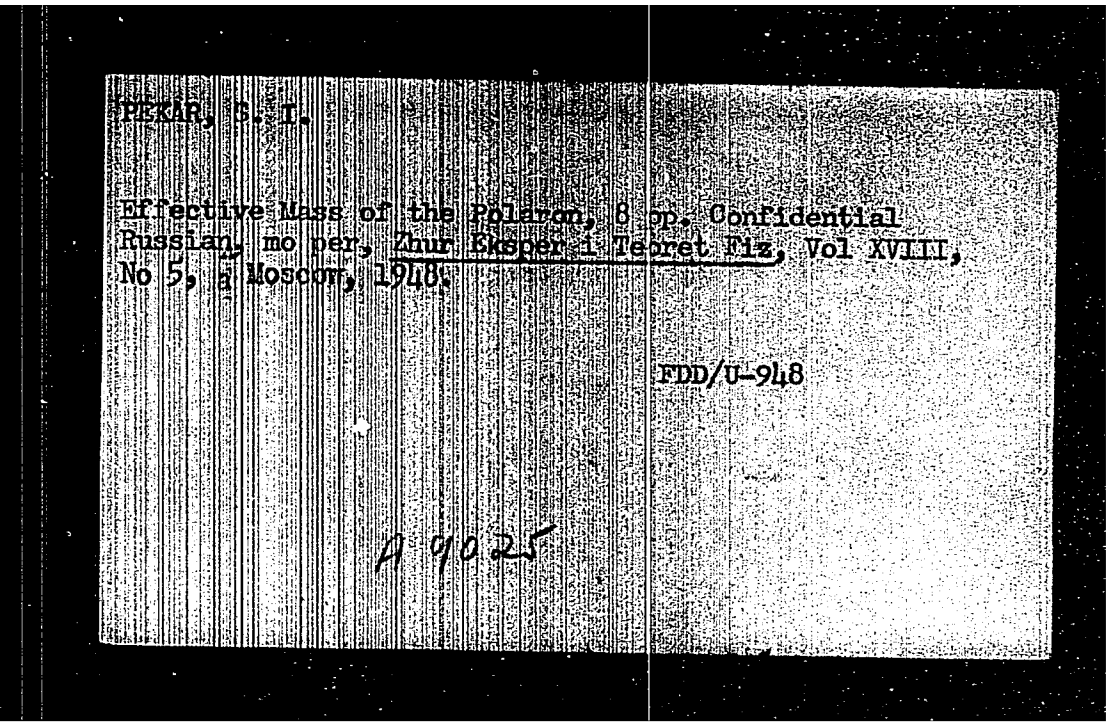
T-1977 (V)
T-2321 (R)

Scientific - Physics
Jan 56 CTS

30,237

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



PEKAR, S. I.

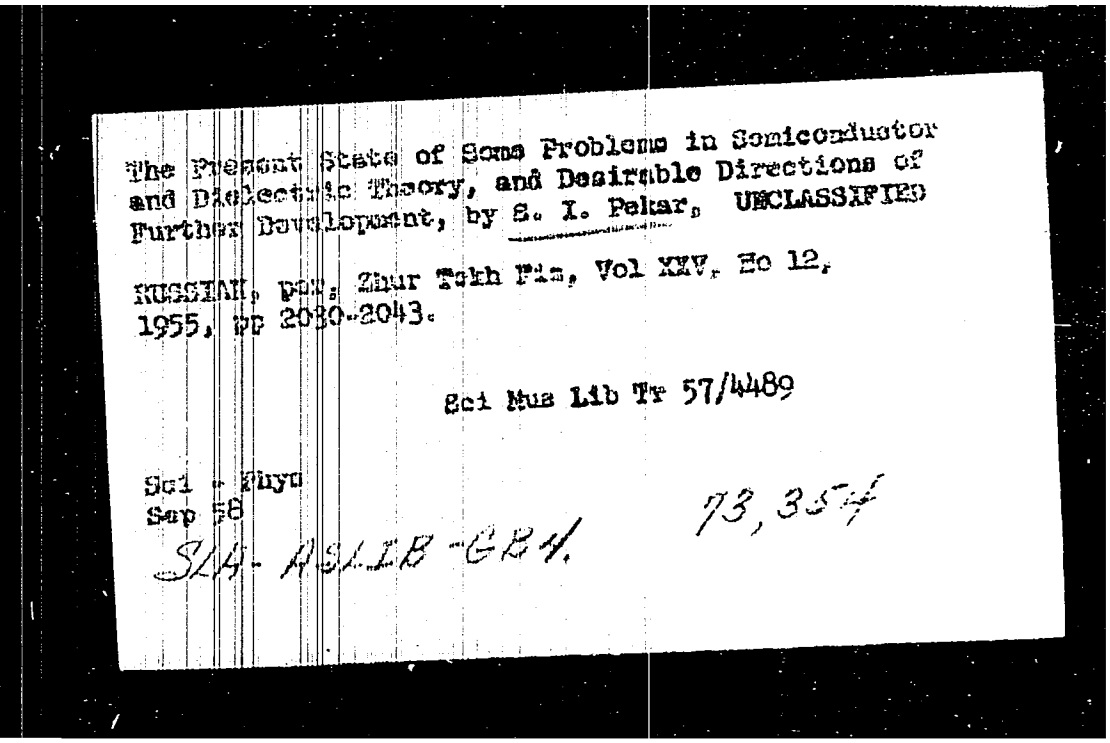
Effective Mass of the Polaron, 8 pp. Confidential
Russian, mo per, Zhur Eksper i Teoret Fiz, Vol XVIII,
No 5, a Moscow, 1948.

FDD/U-948

4 9025

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



The Present State of Some Problems in Semiconductor and Dielectric Theory, and Desirable Directions of Further Development, by S. I. Pekar, UNCLASSIFIED

RUSSIAN, pub. Zhur Tekh Fiz, Vol XXV, No 12, 1955, pp 2030-2043.

Sci Mus Lib Tr 57/4489

Sci - Phys
Sep 58

SLA-ASLIB-GB4.

73,354

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

Excitons in Ionic Crystals, by I. M. Dykman, S. I. Pekar, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk USSR, Vol LXXXIII, 1953, p 325.

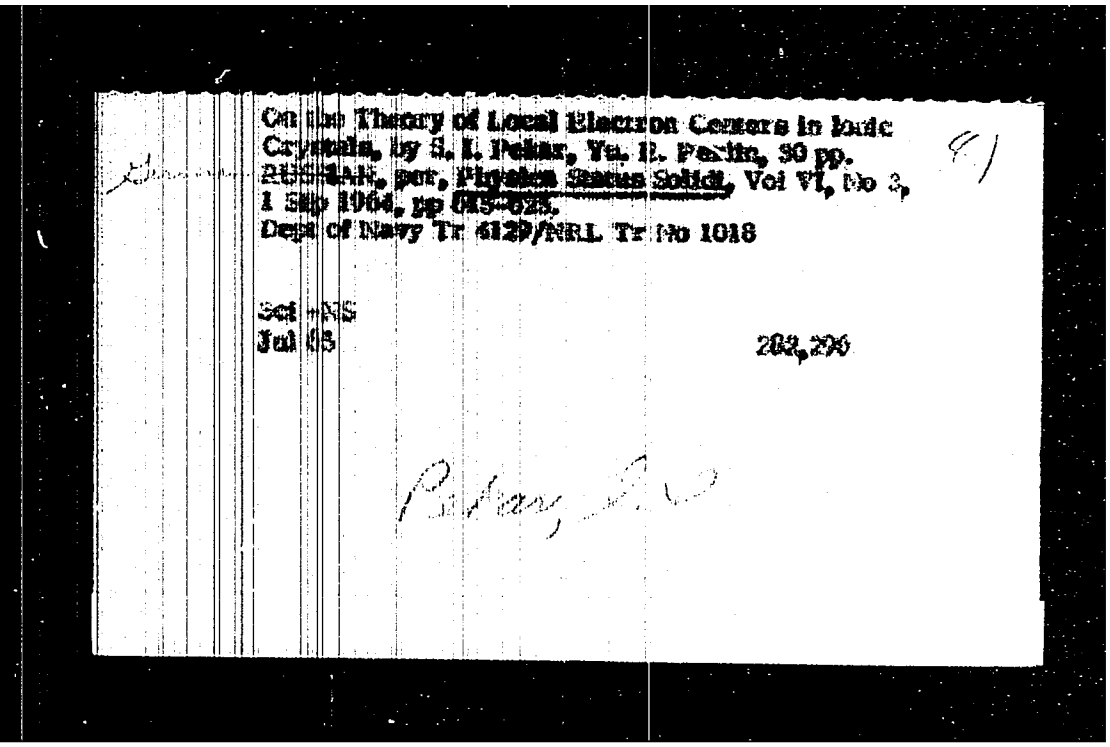
Morris Friedman

Scientific - Physics Jan 55 CTS/DEK

24,985 $3.50

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



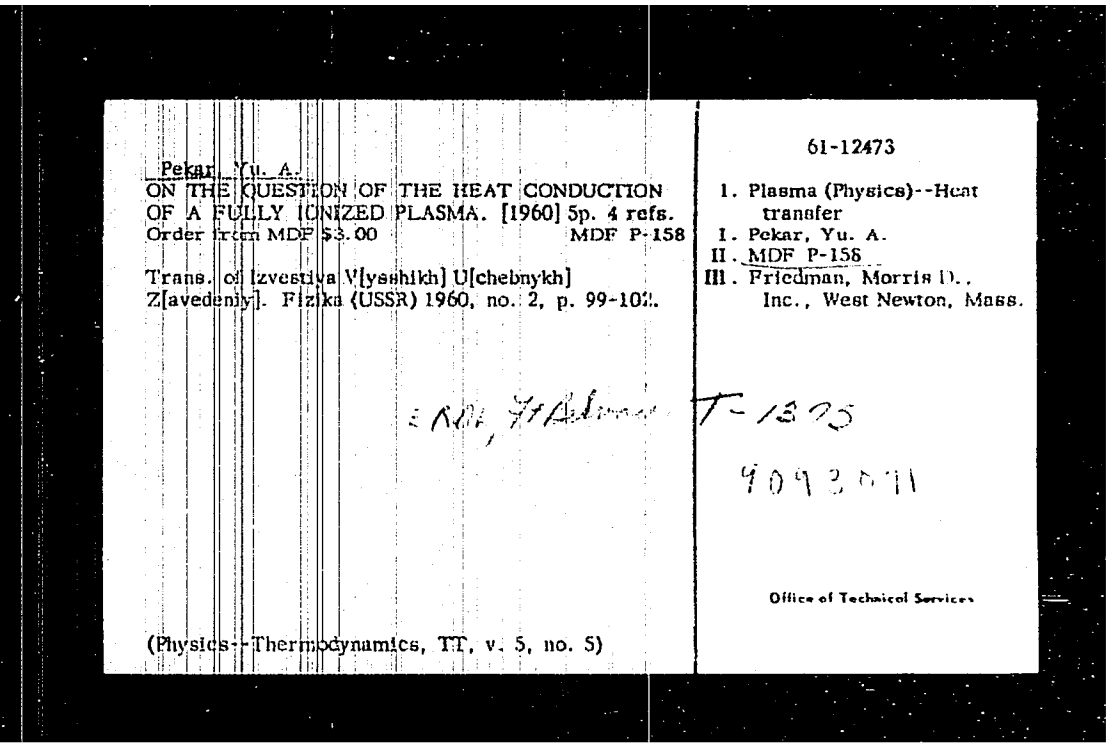
On the Theory of Local Electron Centers in Ionic Crystals, by S. I. Pekar, Yu. E. Perlin, 30 pp. [illegible], per, Physica Status Solidi, Vol VI, No 3, 1 Sep 1964, pp 675-685.
Dept of Navy Tr 4129/NRL Tr No 1018

Set-NS
Jul 65

202,206

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0



Pekar, Yu. A.
ON THE QUESTION OF THE HEAT CONDUCTION OF A FULLY IONIZED PLASMA. [1960] 5p. 4 refs.
Order from MDF $3.00 MDF P-158

Trans. of Izvestiya V[yesshikh] U[chebnykh] Z[avedeniy]. Fizika (USSR) 1960, no. 2, p. 99-102.

(Physics--Thermodynamics, TT, v. 5, no. 5)

61-12473

1. Plasma (Physics)--Heat transfer
I. Pekar, Yu. A.
II. MDF P-158
III. Friedman, Morris D., Inc., West Newton, Mass.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380077-0